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FOURTEENTH ANNUAL REPORT

RELATING TO THE REGISTRY AND RETURN OF

BIRTHS, MARRIAGES, AND DEATHS,

IN

MICHIGAN FOR THE YEAR 1880.

BY THE

SECRETARY OF STATE

OF THE

STATE OF MICHIGAN.

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MICHIGAN
DEPARTMENT OF STATE,
OFFICE OF THE SECRETARY,
LANSING, *April, 1884.*

HON. JOSIAH W. BEGOLE, *Governor of Michigan*:

SIR:—I have the honor to submit herewith the Fourteenth Annual Registration Report compiled from returns received at this Department for the year ending December 31, 1880. The usual tables given in the reports of previous years are included, with additional items and some new tables, as occasion required, to illustrate the facts presented or statements made.

With the material collected during the decennial period closing with the year 1880, an excellent opportunity is offered to study the groupings of particulars concerning births, marriages, and deaths in Michigan for a given series of years. So far as relates to the inhabitants of Michigan there has been undoubtedly a continual increase to the population from year to year. The United States census of 1870 showed Michigan to have a population of 1,334,031, while that of 1880 gives a population of 1,636,937. Yet certain circumstances, often not easily accounted for, perhaps accruing from financial fluctuations, or from causes involving the existence of an unusual prevalence of certain diseases, exert an evident influence upon such conditions as those relating to birth, marriage, and death-rates.

Selecting numbers as returned, there was a larger number of births in Michigan in 1880 than in any previous year of the decennial period ending in 1880. In 1879, however, there was a smaller number of births than in either of the years 1878 or 1876. The per cent. of births, where both parents were native-born Americans, to all births, was greater in 1880 than in any year for ten years, with the exception of the years 1878 and 1879; evidence that does not appear to be indicative of a deterioration of the native American "stock," although, without doubt, many individuals classified as native Americans, having been born in this country, carry the blood and proclivities of other nationalities.

In regard to marriages, the number returned was greater in 1880 than in any preceding year of the decennial period mentioned; yet fewer marriages were solemnized in Michigan in the months of October, November, and December of 1880 than in the same months of the preceding year.

The number of deaths from all causes in 1880, according to the returns, was 16,102, which number, when corrected for probable omissions at the

time of enumeration, is 26,256. The death-rate per one thousand inhabitants, for the latter number, is about sixteen. The deaths among males in 1880 exceeded that of females by 1,235. Of this number there were 520 more deaths among males under one year of age than among females at that period of age, or more than one-third of the excess among all ages was among males under one year of age.

The per cent. of deaths to the whole number, among the native-born, was somewhat less in 1880 than in previous years. While there was a greater number of deaths among all classes than usual from zymotic diseases, there was a marked decrease in the number of deaths from constitutional diseases. It may be remarked, also, that there was a noticeable decrease in the number of deaths by violence. The increase in the number of deaths from zymotic diseases is largely due to the mortality from diphtheria, which was unprecedented in this State during that year. The deaths from this disease comprised 9.6 per cent. of the deaths from all causes. This subject will be found more fully discussed on pages 268 and 269.

Consumption as usual held the first place as a destroyer of human lives in Michigan during the year 1880, diphtheria being second.

That this volume may prove useful to the people of Michigan, and a benefit to mankind in general, is my sincere desire.

Respectfully submitted,

Secretary of State.

BIRTHS, MARRIAGES, AND DEATHS,

IN MICHIGAN,

DURING THE YEAR 1880.

The number of births, marriages, and deaths in Michigan for the year 1880 was considerably in excess of that for any previous year, as can be seen in Exhibit A, where the relation between the births, marriages, and deaths may be studied for each of the years 1875–1880.

The number of marriages returned to the State Department for 1880 exceeds that for 1879 by 408, while the number for 1879 is in advance of that for any previous year. This increase may be accounted for in part from the fact that a copy of the marriage law was mailed to all the ministers and justices of the State during that year; it having been ascertained that many persons authorized to solemnize marriages were neglecting to make a proper return to their county clerk.

The whole number of births in 1880, including still-births, was 35,323, or 1,201 more than the number for 1879. Of this number 18,373 were males and 16,888 females, while 62 were of unknown sex. The only other year, when the number of births returned reached as high as 35,000, was in 1878, when the number was 35,162, or 161 less than the number for 1880. As the population of the State, represented by the returns of births for 1880, was 1,627,307, there was one child born to every 46 persons, and the birth-rate was 27.74 per thousand of the people.

The total number of deaths recorded in the State during the year 1880 was 16,102, of which 8,645 were males and 7,410 were females, while 47 were of unknown sex. The number returned for 1880 is larger by 1,695 than the number reported for 1879. It also exceeds the average annual mortality for the last ten years by 3,574. When we study the causes of deaths for the year we find that this increase is, in part, due to the prevalence of infectious diseases. The very fatal epidemic, diphtheria, has prevailed to a wide extent over the State, the number returned from that disease alone being 1,542, 69 more than reported for 1879.

The natural increase of population, as shown by the excess of births over deaths as returned, was less in 1880 than for any of the previous years, except 1872 and 1874. When the births and deaths are corrected for omissions in

the enumeration, the natural increase of population is less than for any year except 1872. The average excess of births over deaths as returned for the nine years 1872–1880 was 19,673, which shows that the year 1880 was a little less than an average year as regards the natural increase of population.

The average annual increase of population for the nine years 1872–1880 was 1.20 per cent. of the total population of the State, according to the U. S. Census of that year.

EXHIBIT A.—*Births, Marriages, and Deaths Returned as having occurred in Michigan during each of the Years 1875 to 1880, inclusive, including those in unknown month, as Returned, and as Corrected for Omissions in the Enumeration.*

		1875.	1876.	1877.	1878.	1879.	1880.
As Returned.	Marriages[a]	11,851	11,879	11,827	12,786	13,741	14,149
	Births	31,958	34,235	33,395	35,162	34,122	35,323
	Deaths	11,990	12,576	12,919	12,766	14,407	16,102
	Excess of Births over Deaths	19,968	21,659	20,476	22,396	19,715	19,221
As Corrected for Omissions.	Births	46,553	45,172	50,203	52,145	50,100	50,643
	Deaths	17,289	18,389	18,341	18,866	20,583	26,256
	Excess of Births over Deaths	29,264	26,783	31,862	33,279	29,517	24,387

[a] Corrected, for additional returns, up to May 11, 1882.

EXHIBIT B.—*Statements concerning Births, Marriages, and Deaths in Michigan during the Years 1875–1880, inclusive.*

	1875.[a]	1876.[a]	1877.[a]	1878.[a]	1879.[a]	1880.[b]
Inhabitants represented by returns of marriages to one marriage[c]	112.40	112.20	112.64	104.33	97.07	115.60
In population represented by marriages, males to one marriage	58.75	58.63	58.86	54.53	50.73	60.95
In population represented by marriages, females to one marriage	53.66	53.57	53.78	49.89	46.34	54.74
Inhabitants represented by births to each child returned	41.52	38.56	39.82	37.78	38.76	46.07
Inhabitants, males to each male child returned	41.98	38.86	40.33	38.09	38.90	46.61
Inhabitants, females to each female child returned	41.24	38.38	39.42	37.60	38.71	45.65
Inhabitants represented by deaths to one death	110.25	104.74	102.28	103.32	91.49	100.86
Inhabitants, males to one death of male	107.09	101.84	101.08	103.83	91.53	98.86
Inhabitants, females to one death of female	115.14	109.21	104.51	103.64	91.95	103.84
Deaths, males to 100 females	117.58	117.27	113.03	109.04	109.84	116.67
Births, males to 100 females	107.43	108.05	106.94	108.02	108.83	108.79
Total population of State, males to 100 females	109.47	109.47	109.47	109.47	109.47	111.33
Births to one death	2.67	2.72	2.58	2.75	2.37	2.19
Births, males to one death of male	2.56	2.63	2.52	2.75	2.36	2.13
Births, females to one death of female	2.80	2.85	2.67	2.77	2.38	2.28
Children born of which the sex was unknown or not stated	82.00	56.00	59.00	67.00	48.00	62.00
Decedents of which the sex was unknown or not stated	58.00	59.00	52.00	52.00	37.00	47.00
Natural daily increase of population, as per births and deaths returned	54.71	59.34	56.10	61.35	54.01	52.52
Natural daily increase of population, when returns are corrected as in 4th line of exhibit A, page 6, and exhibit C, page 110	80.17	73.38	87.29	91.17	80.95	66.63

[a] In computing statements for this column, the inhabitants in 1874 were used.
[b] In computing statements for this column, the inhabitants, June 1, 1880, were used.
[c] Marriages, corrected for additional returns up to May 11, 1882.

Exhibit B is prepared for the purpose of studying the relations which the births, marriages, and deaths sustain to the inhabitants of the State during each of the years 1875–1880. The population for 1874 was used for the years 1875 to 1879, inclusive, while the population in 1880 was taken in making the computations for that year. It will be seen that the number of inhabitants to one marriage is larger for 1880 than for any previous year, and that the number has decreased since 1875 to 1880, with the exception of the year 1877.

The number of males to 100 females is greater among decedents than among the children born for each of the years 1875–1880, but the difference is less in 1878 and 1879 than for any of the other years. The average for the eight years 1873–1880 for decedents being 114.30, while the annual average for births is 108.20 for the same years, the difference being 6.10.

The natural daily increase of population as per births and deaths returned is about 52 per day, but when the births and deaths are corrected for omissions in the enumeration the number is 66.

TABLE I.—*The number of Marriages, Births, and Deaths, and Excess of Births over Deaths in the State of Michigan during the Year 1880, and the Average Number and Excess during Specified Periods of Time within the Year 1880, as Returned, and the same for Births and Deaths as Corrected for Omissions in the Enumeration.*

	PERIODS OF TIME,—1880.	Marriages, 1880.	Births, 1880.	Deaths, 1880.	Excess of Births over Deaths.
As Returned.	Year, 1880[a]	14,149.00	35,323.00	16,102.00	19,221.00
	Quarter	3,537.25	8,830.75	4,025.50	4,805.25
	Month	1,179.08	2,943.58	1,341.83	1,601.75
	Week	272.10	679.29	309.65	369.64
	Day	38 66	96.51	43.99	52.52
Births and Deaths as Corrected.[b]	Year, 1880[a]	.....	50,643.00	26,256.00	24,387.00
	Quarter	.....	12,660.75	6,564.00	6,096.75
	Month	.....	4,220.25	2,188.00	2,032.25
	Week	.....	973.90	504.92	468.98
	Day	.....	138.37	71.74	66.63

[a] Unknown month included.
[b] Corrected as if enumerated in months of occurrence.

The facts set forth in Table I. show the number of births, marriages, and deaths for certain specified periods of time. Often-times these results are best understood when given for short periods of time as in this table. It will be seen on examination that the average number of marriages per day for the year 1880 was 38. This number will be increased somewhat when the marriages are corrected for additional returns. When the births and deaths are corrected for omissions which occur in the enumeration, the daily increase of population, as shown by the excess of births over deaths, was about 66 persons per day.

The results obtained in Exhibit 1 show, by months, the number of births, the number of deaths, and the excess of births over deaths for each of the years 1875–1880. The average excess for nine years, 1872–1880, was 19,665, while the excess for the year 1880 was 19,221, showing the year 1880 to be a little less than an average one as regards the natural increase of population. In the average excess for the nine years, the month of December has the largest number, which is also true for the year 1880. The smallest excess in the average occurs for the month of February, while the smallest excess for the year 1880 is in January.

EXHIBIT 1.—*By Months, the Births, Deaths, and Excess of Births over Deaths, according to the Returns, in Michigan during each of the Years 1875 to 1880, inclusive.*

		Total.[a]	Months.											
			Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1875	Births	31,898	2,089	2,121	2,415	2,710	2,722	2,530	2,725	3,103	3,081	2,819	2,727	2,856
	Deaths	11,919	736	898	1,045	1,003	1,022	808	893	1,222	1,219	1,080	928	1,065
	Excess of births	19,979	1,353	1,223	1,370	1,707	1,700	1,722	1,832	1,881	1,862	1,739	1,799	1,791
1876	Births	34,131	2,283	2,352	2,744	2,730	2,870	2,739	3,014	3,124	3,110	3,039	2,921	3,205
	Deaths	12,545	685	800	975	978	970	855	1,079	1,507	1,423	1,131	989	1,153
	Excess of births	21,586	1,598	1,552	1,769	1,752	1,900	1,884	1,935	1,617	1,687	1,908	1,932	2,052
1877	Births	33,324	2,212	2,246	2,690	2,655	2,683	2,657	2,899	3,227	3,048	3,015	2,847	3,145
	Deaths	12,863	766	843	990	978	976	875	1,040	1,559	1,400	1,221	1,060	1,155
	Excess of births	20,461	1,446	1,403	1,700	1,677	1,707	1,782	1,859	1,668	1,648	1,794	1,787	1,990
1878	Births	35,130	2,201	2,414	2,836	2,937	2,805	2,797	2,835	3,295	3,260	3,266	3,061	3,423
	Deaths	12,742	730	789	930	1,029	923	870	1,017	1,371	1,343	1,190	1,181	1,369
	Excess of births	22,388	1,471	1,625	1,906	1,908	1,882	1,927	1,818	1,924	1,917	2,076	1,880	2,054
1879	Births	34,092	2,429	2,331	2,758	2,706	2,842	2,626	3,018	3,198	3,149	3,036	2,766	3,233
	Deaths	14,366	903	992	1,114	1,174	1,083	902	1,183	1,537	1,403	1,286	1,268	1,521
	Excess of births	19,726	1,526	1,339	1,644	1,532	1,759	1,724	1,835	1,661	1,746	1,750	1,498	1,712
1880	Births	35,323	2,355	2,513	2,850	2,824	2,880	2,772	3,011	3,285	3,278	3,173	3,068	3,278
	Deaths	16,102	860	1,002	1,149	1,289	1,166	1,036	1,527	1,780	1,676	1,471	1,486	1,617
	Excess of births	19,221	1,495	1,511	1,701	1,535	1,714	1,736	1,484	1,505	1,602	1,702	1,582	1,661
Monthly averages of excess for 1872 to 1880, inclusive		19,665	1,395	1,358	1,610	1,569	1,684	1,718	1,740	1,648	1,660	1,722	1,721	1,841

[a] Unknown month excluded.

In Exhibit 2 the plus and minus signs indicate, respectively, that in the months where they occur the number under the sign is greater or less, as the case may be, than the number for the "Average Month."

Before the births are corrected for omissions, the first six months have less, and the last six months have more, than the average monthly number.

Using the number of births returned, and equalized by months, as the datum, propositions may be made as follows:

(1.) *More* than an average number of conceptions occurred in months in which *more* than an average number of marriages were solemnized, and *less* than an average number in months in which *less* than an average number of marriages were solemnized.

(2.) *Less* than an average number of conceptions occurred in months in which *more* than an average number of deaths occurred, and *more* than an average number of conceptions in months in which *less* than an average number of deaths occurred.

According to Exhibit 2, there are four exceptions to the first proposition and seven to the second. Proposition 1, therefore, holds true in eight of the twelve instances, and proposition 2 in five. If the births and deaths, corrected for omissions, are thus studied, in connection with marriages, proposition 1 holds true in seven and proposition 2 in six out of the twelve cases.

The various relations which exist between births, marriages, and deaths may, perhaps, be better understood when they are presented for examination as in Exhibit 2. In the first line the births, as returned for the year 1880, are equalized to months of uniform length, while in the second the births are first corrected for omissions and then equalized to months of uniform length. The marriages and deaths, as returned and equalized, the deaths corrected for omissions and equalized, then corrected and equalized for increase of population and equalized to months of uniform length, are given in the months in which the conceptions of births in 1880 probably took place—that is, nine months before the births occurred.

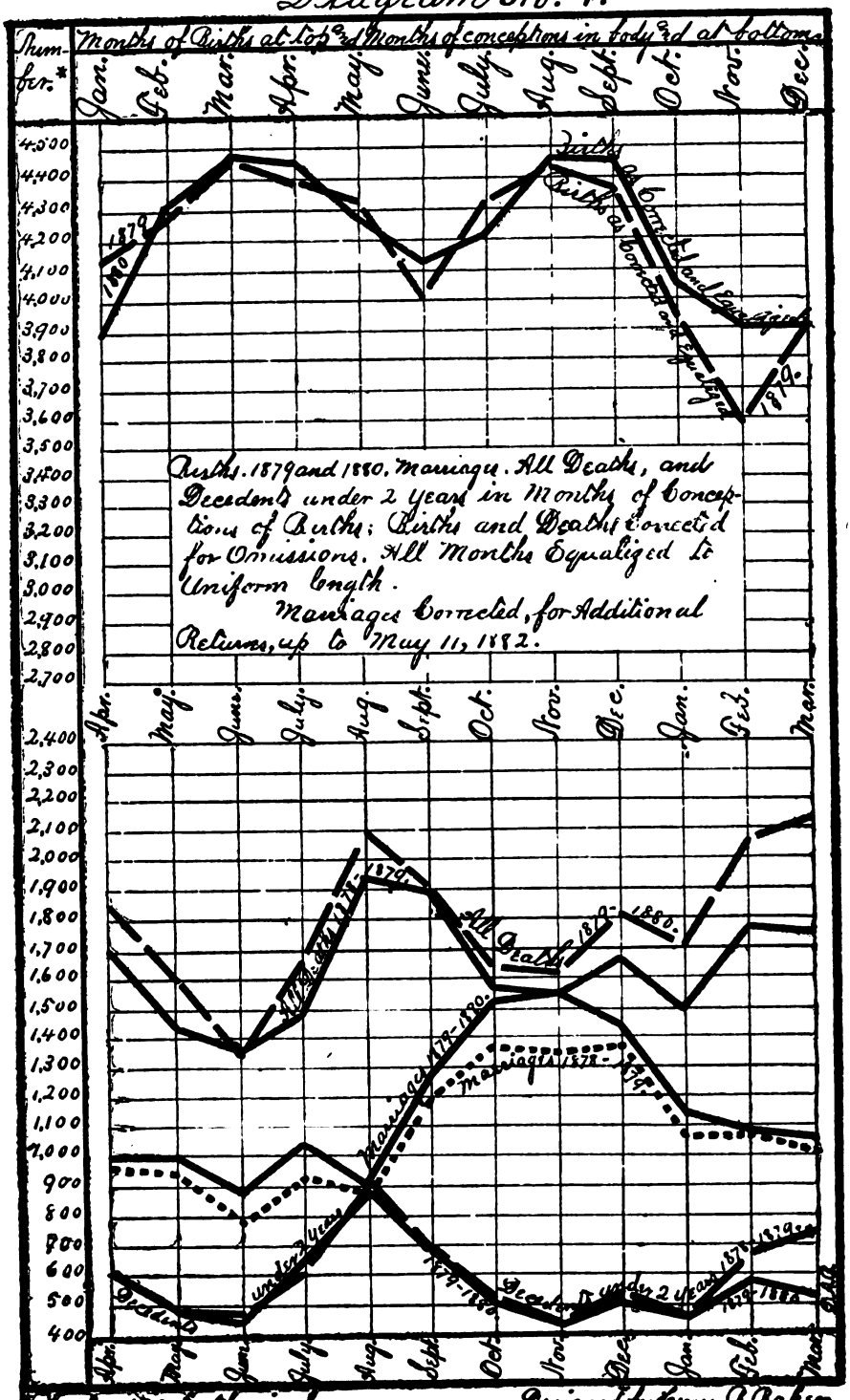
By comparing the first line of births, as they are returned and equalized, with the marriages as equalized, it will be observed that in eight out of the twelve months more than the average number of conceptions occurred in months in which more than the average number of marriages were solemnized, and less than the average number of conceptions occurred in months in which less than the average number of marriages were solemnized. The exceptions being in the months of June, October, November, and December.

When the same line of births is compared with deaths as returned and equalized, it is seen that in seven months of the twelve more than the average number of conceptions occurred in months when more than the average number of deaths occurred, and less than the average number of conceptions in months when less than the average number of deaths occurred.

It thus appears from these comparisons that both marriages and deaths have a great influence on the conception-rate. A large conception-rate seems to be coincident with a large marriage-rate and death-rate.

Now, if we compare the births and deaths, as corrected for omissions and equalized to months of uniform length, it is seen that a large conception-rate seems to attend a small death-rate, and a small conception-rate is attended with a large death-rate, this proposition holding true in ten out of the twelve cases.

Diagram No. 1.



Scale = 620 to the inch.

Designed by Emory A. Baker

EXHIBIT 2.—*Births Returned as having occurred in Michigan, by Months, during the Year 1880, and Marriages and Deaths during Months of Conception of the Births,—all Months Equalized to Uniform length of 30.44 days.*

	Total.[a]	Months,—1880.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Av. Mo.
Births, 1880, equalized to months of uniform length....	35,211	— 2,312	— 2,638	— 2,799	— 2,865	— 2,828	— 2,813	+ 2,957	+ 3,226	+ 3,326	+ 3,116	+ 3,113	+ 3,218	2,934
Births, 1880, corrected for omissions in enumerating, and equalized to months of uniform length.	50,516	-- 3,887	+ 4,322	+ 4,467	+ 4,451	+ 4,272	— 4,130	+ 4,214	+ 4,461	+ 4,458	— 4,044	— 3,907	— 3,903	4,210

	Total.[a]	Months,—1879.									1880.			
		Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Av. Mo.
Marriages,[b] equalized to months of uniform length....	13,890	— 992	— 995	— 887	— 1,043	— 903	+ 1,278	+ 1,530	+ 1,551	+ 1,439	— 1,133	— 1,088	— 1,051	1,156
Deaths, equalized to months of uniform length.....	14,332	— 1,191	— 1,063	— 915	— 1,162	+ 1,509	+ 1,424	+ 1,263	+ 1,287	+ 1,493	— 845	— 1,052	— 1,128	1,194
Deaths, corrected for omissions in enumerating, and equalized to months of uniform length.	21,448	+ 1,854	— 1,609	— 1,346	— 1,659	+ 2,091	+ 1,912	— 1,642	— 1,617	+ 1,814	— 1,708	+ 2,059	+ 2,137	1,787
Deaths, corrected and equalized, equalized to months of uniform length....	21,946	+ 1,913	— 1,655	— 1,380	— 1,695	+ 2,127	+ 1,939	— 1,659	— 1,629	— 1,820	— 1,779	+ 2,139	+ 2,211	1,829

[a] Excluding unknown month.
[b] Corrected for additional returns up to May 11, 1882.

EXHIBIT D.—*Grouping the Evidence of the Vital Statistics on the subject of the Comparative Natural Increase of Native and of Foreign-born Inhabitants of Michigan, by Excess of Births over Deaths, according to the Returns, the Evidence Exhibited Covering the Years 1875 to 1880, inclusive.*

BIRTHS, DEATHS, AND EXCESS OF BIRTHS OVER DEATHS.	1875.			1876.			1877.			1878.			1879.			1880.		
	Total.	Both Parents of Children Native. Deaths of Native-born.	Both Parents of Children Foreign. Deaths of Foreign-born.	Total.	Both Parents of Children Native. Deaths of Native born.	Both Parents of Children Foreign. Deaths of Foreign-born.	Total.	Both Parents of Children Native. Deaths of Native-born.	Both Parents of Children Foreign. Deaths of Foreign-born.	Total.	Both Parents of Children Native. Deaths of Native-born.	Both Parents of Children Foreign. Deaths of Foreign-born.	Total.	Both Parents of Children Native. Deaths of Native-born.	Both Parents of Children Foreign. Deaths of Foreign-born.	Total.	Both Parents of Children Native. Deaths of Native-born.	Both Parents of Children Foreign. Deaths of Foreign-born.
Births by parent nativity.....	[a] 31,958	14,226	11,120	[a] 34,235	15,551	11,901	[a] 33,395	15,270	11,557	[a] 35,162	16,323	11,992	[a] 34,122	15,864	11,369	[a] 35,323	16,274	11,982
Deaths, by nativity.....	[b] 11,990	[c] 9,573	[d] 2,106	[b] 12,576	[c] 10,147	[d] 2,078	[b] 12,919	[c] 10,305	[d] 2,251	[b] 12,766	[c] 10,183	[d] 2,237	[b] 14,407	[c] 11,495	[d] 2,458	[b] 16,102	[c] 12,572	[d] 2,962
Excess of births over deaths...	19,968	4,653	9,014	21,659	5,404	9,823	20,476	4,965	9,306	22,396	6,140	9,755	19,715	4,369	8,911	19,221	3,702	9,020

[a] Includes children of mixed parentage and those where the nativity of one or both parents is unknown.
[b] Includes deaths of persons of unknown nativity.
[c] Includes all deaths of persons born in the United States, whether born of native or of foreign-born parents.
[d] Includes only persons who were born in foreign countries.

EXHIBIT E.—*Showing, for the State and Counties of Michigan, the Number of Births and Deaths returned to this Department as having occurred out of Michigan during the year 1880, (Presumably in Families Residing in Michigan).*

STATE AND COUNTIES.	1880.		COUNTIES.	1880.	
	Births.	Deaths.		Births.	Deaths.
STATE	486	72	Lake	1	1
Allegan	9	1	Lapeer	8	.....
Alpena	3	1	Lenawee	9	6
Barry	1	1	Macomb	2	1
Bay	13	3	Manistee	2	1
Berrien	8	3	Mason	7	.....
Branch	2	2	Mecosta	2	1
Calhoun	4	.....	Midland	1	.....
Cass	7	2	Missaukee	1	.....
Charlevoix	1	.....	Monroe	.....	3
Cheboygan	8	.....	Montcalm	5	4
Clinton	.....	1	Muskegon	16	.....
Crawford	1	.....	Newaygo	1	.....
Delta	1	.....	Oakland	2	2
Eaton	6	1	Oceana	5	2
Emmet	1	.....	Osceola	2	1
Genesee	5	2	Ottawa	7	1
Grand Traverse	1	.....	Saginaw	1	.....
Gratiot	.....	1	Sanilac	13	2
Houghton	7	2	Shiawassee	3	.....
Huron	6	2	St. Clair	5	2
Ingham	3	.....	St. Joseph	10	2
Ionia	3	.....	Tuscola	1	.....
Isabella	4	.....	Van Buren	5	2
Jackson	13	1	Washtenaw	4	1
Kalamazoo	3	3	Wayne	232	9
Kent	23	3	Wexford	7	2
Keweenaw	1	.....			

TABLE II.—*Exhibiting, by Sex, the Population in 1880, the Number of Marriages, Births, and Deaths, and the Excess of Births over Deaths, in Michigan during the Year 1880, according to the Returns.*

STATE AND COUNTIES.	Population, 1880.			Marriages, 1880.	Births, 1880.				Deaths, 1880.				Excess of Births over Deaths.[a]			
	Total.	Sex.			Total.	Sex.			Total.	Sex.			Total.	Sex.		
		Males.	Females.			Males.	Females.	Unknown.		Males.	Females.	Unknown.		Males.	Females.	Unknown.
STATE	1,636,937	862,355	774,582	14,149	35,323	18,373	16,888	62	16,102	8,645	7,410	47	19,221	9,728	9,478	15
Alcona	3,107	1,945	1,162	12	32	14	18	.....	12	7	5	.....	20	7	13	.....
Allegan	37,815	19,732	18,083	358	821	425	396	.....	310	153	157	.....	511	272	239	.....
Alpena[b]	8,789	5,161	3,628	60	261	133	127	1	67	31	35	1	194	102	92	.....
Antrim	5,237	2,867	2,370	39	128	71	57	.....	40	22	18	.....	88	49	39	.....
Baraga	1,804	1,036	768	13	51	33	18	.....	14	7	7	.....	37	26	11	.....
Barry	25,317	13,284	12,033	232	524	247	277	.....	218	100	118	.....	306	147	159	.....
Bay	38,081	21,098	16,983	217	1,077	586	491	.....	393	222	170	1	684	364	321	-1
Benzie	3,433	1,862	1,571	33	88	46	39	3	47	21	24	2	41	25	15	1
Berrien	36,785	18,805	17,980	458	640	354	285	1	334	202	132	.....	306	152	153	1
Branch	27,941	14,240	13,701	284	467	239	227	1	252	133	118	1	215	106	109	.....
Calhoun	38,452	19,599	18,853	354	557	285	263	9	361	185	169	7	196	100	94	2
Cass	22,009	11,350	10,659	220	468	242	225	1	163	86	76	1	305	156	149	.....
Charlevoix	5,115	2,743	2,372	25	127	63	64	.....	41	27	14	.....	86	36	50	.....
Cheboygan[c]	6,524	3,760	2,764	56	191	103	88	.....	50	27	23	.....	141	76	65	.....
Chippewa[d]	5,248	2,906	2,342	20	65	33	32	.....	29	13	16	.....	36	20	16	.....
Clare	4,187	2,793	1,394	39	62	31	30	1	69	28	40	1	-7	3	-10	.....
Clinton	28,100	14,657	13,443	244	481	226	254	1	191	94	96	1	290	132	158	.....
Crawford	1,159	683	476	13	27	19	8	.....	4	3	1	.....	23	16	7	.....
Delta[e]	6,812	4,172	2,640	68	168	75	93	.....	60	40	20	.....	108	35	73	.....

Eaton	31,225	16,072	15,153	266	662	338	323	1	275	152	123	1	387	186	201	.....
Emmet	6,639	3,544	3,095	51	138	72	66	.....	82	49	33	.....	56	23	33	.....
Genesee	39,220	20,042	19,178	334	689	369	318	2	326	169	157	.....	363	200	161	2
Gladwin	1,127	749	378	4	14	8	6	.....	7	2	4	1	7	6	2	-1
Grand Traverse[f]	8,422	4,608	3,814	73	143	76	67	.....	42	20	22	.....	101	56	45	.....
Gratiot	21,936	11,687	10,249	191	470	236	234	.....	154	80	74	.....	316	156	160	.....
Hillsdale	32,723	16,544	16,179	395	500	272	228	.....	248	134	114	.....	252	138	114	.....
Houghton	22,473	12,242	10,231	169	822	422	400	.....	298	165	133	.....	524	257	267	.....
Huron[g]	20,089	10,714	9,375	134	640	313	322	5	160	78	77	5	480	235	245	.....
Ingham	33,676	17,399	16,277	331	481	252	228	1	245	123	121	1	236	129	107	.....
Ionia	33,872	17,974	15,898	318	656	314	340	2	287	134	151	2	369	180	189	.....
Iosco[h]	6,873	4,097	2,776	86	102	65	37	.....	39	19	20	.....	63	46	17	.....
Isabella[i]	12,159	6,602	5,557	94	346	202	144	.....	166	93	73	.....	180	109	71	.....
Isle Royal[j]	55	31	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	42,031	21,833	20,198	359	722	358	363	1	326	180	146	.....	396	178	217	1
Kalamazoo	34,342	17,343	16,999	265	571	290	281	.....	382	204	178	.....	189	86	103	.....
Kalkaska[k]	2,037	1,617	1,320	35	60	40	20	.....	17	10	7	.....	43	30	13	.....
Kent	73,253	38,014	35,239	618	1,698	890	805	3	845	448	396	1	853	442	409	2
Keweenaw	4,270	2,396	1,874	27	233	141	92	.....	72	39	33	1	161	102	60	-1
Lake[l]	3,232	1,941	1,292	16	58	24	34	.....	26	16	10	.....	32	8	24	.....

[a] The figures with the minus sign placed before them indicate the excess of deaths over births.
[b] No returns of births nor deaths from the township of Briley.
[c] No returns of births nor deaths from the township of Ellis.
[d] No returns of births nor deaths from the townships of Detour and Superior, and no returns of deaths from the township of Sugar Island.
[e] No returns of births nor deaths from the townships of Baldwin and Sack Bay.
[f] No returns of births nor deaths from the township of East Bay.
[g] No returns of deaths from the townships of Hume and Verona.
[h] No returns of births nor deaths from the township of Plainfield, and no returns of births from the township of Wilber.
[i] No returns of deaths from the townships of Gilmore and Sherman.
[j] No returns from County Clerk to State Department.
[k] No returns of births nor deaths from the township of Springfield.
[l] No returns of births nor deaths from the township of Elk.

TABLE II.—CONTINUED.

COUNTIES.	Population, 1880.			Marriages, 1880.	Births, 1880.				Deaths, 1880.				Excess of Births over Deaths.[a]			
	Total.	Sex.			Total.	Sex.			Total.	Sex.			Total.	Sex.		
		Males.	Females.			Males.	Females.	Unknown.		Males.	Females.	Unknown.		Males.	Females.	Unknown.
Lapeer	30,138	15,827	14,311	247	612	329	283	.....	239	144	95	.....	373	185	188	.....
Leelanaw [b]	6,253	3,388	2,865	28	171	83	88	.....	97	51	46	.....	74	32	42	.....
Lenawee	48,343	24,281	24,062	436	761	375	386	.....	370	190	179	1	391	185	207	-1
Livingston	22,251	11,620	10,631	151	366	165	199	2	169	74	94	1	197	91	105	1
Mackinac [c]	2,902	1,689	1,213	23	61	36	25	.....	33	22	11	.....	28	14	14	.....
Macomb	31,627	16,157	15,470	252	624	325	299	.....	256	138	118	.....	368	187	181	.....
Manistee	12,532	6,969	5,563	101	422	228	194	.....	92	56	36	.....	330	172	158	.....
Manitou	1,334	718	616	7	24	8	16	.....	11	5	6	.....	13	3	10	.....
Marquette [d]	25,394	14,760	10,634	157	740	395	345	.....	334	190	144	.....	406	205	201	.....
Mason	10,065	5,659	4,406	107	183	106	77	.....	97	60	37	.....	86	46	40	.....
Mecosta	13,973	7,626	6,347	125	235	126	109	.....	156	88	68	.....	79	38	41	.....
Menominee [e]	11,987	8,000	3,987	120	134	79	55	.....	127	100	27	.....	7	-21	28	.....
Midland	6,893	3,780	3,113	50	174	83	91	.....	94	56	38	.....	80	27	53	.....
Missaukee	1,553	942	611	13	50	26	23	1	11	6	4	1	39	20	19	.....
Monroe	33,624	17,250	16,374	314	821	430	391	.....	360	194	166	.....	461	236	225	.....
Montcalm [f]	33,148	18,321	14,827	289	612	324	285	3	319	168	151	.....	293	156	134	3
Muskegon	26,586	14,784	11,802	290	630	313	316	1	288	147	141	.....	342	166	175	1
Newaygo	14,688	8,376	6,312	132	231	114	117	.....	168	87	81	.....	63	27	36	.....
Oakland	41,537	21,327	20,210	286	568	293	269	6	330	180	147	3	238	113	122	3
Oceana	11,699	6,444	5,255	111	270	164	106	.....	131	75	56	.....	139	89	50	.....
Ogemaw	1,914	1,168	746	6	23	14	9	.....	16	9	7	.....	7	5	2	.....

Ontonagon	2,565	1,335	1,230	14	61	36	25	.....	40	24	16	.....	21	12	9	.....
Osceola	10,777	6,015	4,762	117	286	150	136	.....	166	83	83	.....	120	67	53	.....
Oscoda [g]	467	291	176	g	8	3	5	.....	2	1	1	.....	6	2	4	.....
Otsego	1,974	1,137	837	23	31	23	8	.....	5	2	3	.....	26	21	5	.....
Ottawa	33,126	17,472	15,654	270	775	376	397	2	354	187	165	2	421	189	232	.....
Presque Isle	3,113	1,701	1,412	9	148	82	65	1	24	15	9	.....	124	67	56	1
Roscommon	1,459	1,096	363	10	17	9	8	.....	16	11	5	.....	1	-2	3	.....
Saginaw [h]	59,095	31,803	27,292	485	1,375	743	631	1	783	406	377	.....	592	337	254	1
Sanilac	26,341	14,023	12,318	124	738	383	355	.....	206	124	82	.....	532	259	273	.....
Schoolcraft [i]	1,575	1,097	478	7	21	6	15	.....	6	6	.....	.....	15	.....	15	.....
Shiawassee	27,059	14,248	12,811	200	461	244	212	5	208	101	104	3	253	143	108	2
St. Clair	46,197	23,922	22,275	376	900	472	423	5	414	212	196	6	486	260	227	-1
St. Joseph	26,626	13,516	13,110	325	420	204	216	.....	244	110	134	.....	176	94	82	.....
Tuscola	25,738	13,644	12,094	195	537	272	265	.....	206	105	101	.....	331	167	164	.....
Van Buren	30,807	15,757	15,050	264	525	233	292	.....	211	116	95	.....	314	117	197	.....
Washtenaw	41,848	21,250	20,598	322	614	318	295	1	341	188	152	1	273	139	143	.....
Wayne	166,444	82,917	83,527	1,599	5,227	2,779	2,448	.....	2,437	1,357	1,079	1	2,790	1,422	1,369	-1
Wexford [j]	6,815	3,903	2,912	53	227	117	109	1	89	41	47	1	138	76	62	.....

[a] The figures with the minus sign placed before them indicate the excess of deaths over births.
[b] No returns of deaths from the township of Elmwood.
[c] No returns of births nor deaths from the townships of Brevort, Hendricks, and Lakefield.
[d] No returns of births nor deaths from the township of Richmond.
[e] No returns of births from the townships of Cedarville, Nadeau, and Spaulding, and no returns of deaths from the townships of Ingalston, Nadeau, and Stephenson.
[f] No returns of births nor deaths from the township of Home.
[g] County clerk says there were no marriages in 1880.
[h] No returns of births nor deaths from the townships of Bridgeport.
[i] No returns of births nor deaths from the townships of Munising and Onota.
[j] No returns of births nor deaths from the township of Concord, and no returns of deaths from the townships of Liberty and South Branch.

BIRTHS, 1880.

The whole number of births whose statistics were returned to the State Department by the county clerks for the year 1880 was 35,323. This is the largest number that has been returned for any year since the registration began, being 1,201 more than for the preceding year. The population of Michigan, according to the U. S. Census of 1880, was 1,636,937. When 9,630 is subtracted, being the number of inhabitants from whom no report of births was received, the number of inhabitants represented by the returns of births is found to be, therefore, 1,627,307. Thus it will be observed that there was one child born to every 46 persons in the State, and 21.74 births to every thousand of the people.

In the following tabular exhibit is shown the per cent. of births returned and the per cent. of births added as correction for omissions for each of the years 1871–1880. It will thus be seen that the year 1880 was about an average one as regards the per cent. of births returned, the per cent. for 1880 being 69.73, while the average per cent. for the ten years 1871–1880 is 68.34:

YEARS.	Per Cent. of Births Returned.	Per Cent. of Births Added as Correction for Omissions.
1871	70.00	42.86
1872	64.95	43.95
1873	76.72	30.34
1874	55.75	79.37
1875	68.61	45.76
1876	75.73	32.04
1877	66.47	50.44
1878	67.41	48.34
1879	68.05	46.91
1880	69.73	43.42
Average for 10 years	68.34	46.34

The same system of correction for the omissions in the enumeration of births is used for the year 1880 as in previous years. This correction is found to be

necessary in order to get the number of births which probably occurred. It is a well known fact that many births and deaths are not reported to the supervisors and assessors because of the frequent movements of the inhabitants, this being greater in some parts of the State than in others. If the statistics of births and deaths could be obtained immediately after they occur, the facts would be much more reliable, and their value enhanced thereby. It is hoped by the compiler that this fault in the present law will soon be removed. The method of correction has been fully explained in preceding Reports, some of the details of which will be found in Exhibits A, B, C, D, and 3 of this volume. The number of births returned was about 69.73 per cent. of the total number of births which actually occurred for the year 1880. When the number of births returned is increased by 43.42 per cent. of itself we find the number of births which probably occurred is 50,643, and the number of inhabitants to each child born is 32, while the number of births per thousand of the inhabitants to each child born is 31.25. This is undoubtedly nearer the actual figure.

The average number of births per quarter, month, week, and day, both as returned and as corrected for omissions, the number for unknown month being included, may be seen as follows:

PERIODS OF TIME.	Births as Returned.	Corrected as per Exhibit A, 4th line.	Corrected with 46.34 Per Cent.
Per quarter	8,830.75	12,660.75	12,928.00
Per month	2,943.58	4,220.25	4,309.25
Per week	679.29	973.90	994.48
Per day	96.51	138.37	141.29

The relations, which the number of births as returned for the year 1880, and as corrected for omissions in the enumeration, bear to the number of inhabitants in the State according to the U. S. Census, are shown as follows:

SEX.	Inhabitants in 1880 Represented by Births in 1880.	Births as Returned.	Births Corrected for Omissions in Enumerating.	Per Cent. of Births to Inhabitants.	
				Births as Returned.	Births Corrected for Omissions.
Total	1,627,307	35,323	50,540	2.17	3.11
Males	856,302	18,373	27,314	2.15	3.19
Females	771,005	16,888	23,226	2.19	3.01
Unknown	.....	62	.....	.....	.....

Table I. shows for each of the years 1875–1880 in what season of the year the greatest and the least number and per cent. of births occurred. The usual distribution of births over the four seasons of the year is observed, the latter half of the year being the one of greatest birth-rates. The largest per cent. for the year 1880 is shown for the third quarter,—ending with September, —which holds true for every year, with the single exception of 1878. In every case the first quarter of the year has the least per cent. of births. The lower half of the table was published for the first time in 1876, and is designed to show the number of births for quarters of the year when the births are corrected for omissions in the enumeration. It will be observed that the births are more equally distributed throughout the year when thus corrected, and are undoubtedly nearer the true figures.

TABLE I.—*Births by Quarters of the year, Exhibiting the Number and Per Cent. of Totals for the Years 1875 to 1880, inclusive, as Returned, and as Corrected for Omissions in the Enumeration.*

	TOTALS, AND MONTHS WITH WHICH QUARTERS END.	1875.		1876.		1877.		1878.		1879.		1880.	
		Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.
As Returned.	Totals....	31,958	100.00	34,235	100.00	33,395	100.00	35,162	100.00	34,122	100.00	35,323	100.00
	March....	6,625	20.73	7,370	21.55	7,148	21.40	7,451	21.19	7,518	22.03	7,718	21.85
	June.....	7,962	24.91	8,339	24.36	7,995	23.94	8,539	24.28	8,174	23.96	8,476	24.00
	Sept.....	8,909	27.88	9,248	27.01	9,174	27.47	9,390	26.70	9,365	27.45	9,574	27.10
	Dec.....	8,402	26.29	9,165	26.77	9,007	26.97	9,750	27.73	9,065	26.47	9,519	26.95
	Unknown	60	.19	104	.30	71	.21	32	.09	30	.09	36	.10
	Average.[a]	7,990	25.00	8,559	25.00	8,349	25.00	8,791	25.00	8,531	25.00	8,831	25.00
As Corrected for Omissions.	Totals....	46,553	100.00	45,172	100.00	50,203	100.00	52,145	100.00	50,130	100.00	50,643	100.00
	March....	11,074	23.79	10,840	24.00	12,446	24.79	12,742	24.44	12,679	25.29	12,626	24.93
	June.....	12,261	26.34	11,480	25.41	12,748	25.39	13,435	25.76	12,680	25.29	12,808	25.29
	Sept.....	12,494	26.84	11,858	26.25	13,258	26.41	13,402	25.70	13,227	26.39	13,229	26.12
	Dec.....	10,664	22.91	10,890	24.11	11,680	23.27	12,534	24.04	11,514	22.97	11,944	23.58
	Unknown	60	.13	104	.23	71	.14	32	.06	30	.06	36	.07
	Average.[a]	11,638	25.00	11,293	25.00	12,551	25.00	13,036	25.00	12,533	25.00	12,661	25.00

[a] The number in unknown quarter of year included.

TABLE II.—*Births during the Years 1875—1880, inclusive, according to the Returns, exhibiting the Number and Per Cent. of Total, by Months, arranged in Order by Number, Months having the greatest number first.*

Order.	1875.			1876.			1877.			1878.			1879.			1880.		
	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.
	Total..	31,958	100.00	Total..	34,235	100.00	Total..	33,395	100.00	Total..	35,162	100.00	Total..	34,122	100.00	Total..	35;323	100.00
1	Aug....	3,103	9.71	Dec....	3,205	9.36	Aug...	3,227	9.66	Dec....	3,423	9.73	Dec....	3,233	9.47	Aug...	3,285	9.30
2	Sept...	3,081	9.64	Aug...	3,124	9.13	Dec....	3,145	9.42	Aug...	3,295	9.37	Aug...	3,198	9.37	Sept...	3,278	9.28
3	Dec....	2,856	8.94	Sept....	3,110	9.08	Sept...	3,048	9.13	Oct....	3,266	9.29	Sept....	3,149	9.23	Dec....	3,278	9.28
4	Oct....	2,819	8.82	Oct.....	3,039	8.88	Oct....	3,015	9.03	Sept...	3,260	9.27	Oct.....	3,036	8.90	Oct....	3,173	8.98
5	Nov....	2,727	8.53	July...	3,014	8.80	July...	2,899	8.68	Nov....	3,061	8.71	July...	3,018	8.84	Nov....	3,068	8.69
6	July...	2,725	8.53	Nov....	2,921	8.53	Nov....	2,847	8.53	April..	2,937	8.35	May...	2,842	8.33	July...	3,011	8.52
7	May...	2,722	8.52	May...	2,870	8.38	Mar....	2,690	8.06	Mar....	2,836	8.07	Nov....	2,766	8.11	May...	2,880	8.15
8	April..	2,710	8.48	Mar....	2,744	8.01	May...	2,683	8.03	July...	2,835	8.06	Mar....	2,758	8.08	Mar....	2,850	8.07
9	June..	2,530	7.91	June..	2,739	8.00	June...	2,657	7.96	May...	2,805	7.98	April..	2,706	7.93	April..	2,824	7.99
10	Mar....	2,415	7.56	April..	2,730	7.97	April..	2,655	7.95	June..	2,797	7.95	June..	2,626	7.70	June...	2,772	7.85
11	Feb....	2,121	6.64	Feb....	2,352	6.87	Feb....	2,246	6.73	Feb....	2,414	6.87	Jan....	2,429	7.12	Feb....	2,513	7.11
12	Jan.....	2,089	6.53	Jan....	2,283	6.67	Jan....	2,212	6.62	Jan....	2,201	6.26	Feb....	2,331	6.83	Jan....	2,355	6.67
	Unk...	60	.19	Unk...	104	.30	Unk...	71	.21	Unk...	32	.09	Unk...	30	.09	Unk...	36	.10
	Av....[a]	2,663	8.33	Av....[a]	2,853	8.33	Av....[a]	2,783	8.33	Av....[a]	2,930	8.33	Av....[a]	2,844	8.33	Av....[a]	2,944	8.33

[a] Including unknown month.

The number and per cent. of births in each month of the year 1880 are shown in Table II. The months are arranged in order, those having the greatest number first. In eight out of the nine years 1872–1880, the months of August and December have the greatest number and per cent. of births, the month of September coming next in order. By reference to marriages by months it will be seen that the largest number of marriages occurred in the months of November and December, 1879. The causes of unequal birth-rate in different months have been very fully discussed by the compiler in "Vital Statistics of Michigan, 1875," pages 4 and 5.

EXHIBIT 2.—*Births during the Years 1877 to 1880, inclusive, as Corrected for Omissions in the Enumeration, exhibiting the Number and Per Cent. of Total, by Months arranged in order by Number, Months having the greatest number first.*

Order.	1877.			1878.			1879.			1880.		
	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.
	Total	50,203	100.00	Total	52,145	100.00	Total	50,130	100.00	Total	50,643	100.00
1	Aug.	4,666	9.29	April	4,759	9.13	Mar.	4,530	9.04	Mar.	4,549	8.98
2	Mar.	4,553	4.08	March	4,730	9.07	Aug.	4,519	9.01	Aug.	4,543	8.97
3	April	4,365	8.69	Aug.	4,710	9.03	May	4,407	8.79	Sept.	4,394	8.68
4	July	4,335	8.63	Sept.	4,504	8.64	July	4,403	8.78	April	4,387	8.66
5	May	4,278	8.52	May	4,411	8.46	Apr.	4,321	8.62	May	4,351	8.59
6	Sept.	4,257	8.48	Oct.	4,357	8.36	Sept.	4,305	8.59	July	4,292	8.48
7	June	4,105	8.18	June	4,265	8.18	Jan.	4,213	8.40	Feb.	4,118	8.13
8	Oct.	4,061	8.09	Dec.	4,240	8.13	Oct.	4,011	8.00	Oct.	4,118	8.13
9	Jan.	3,965	7.90	July	4,188	8.03	Dec.	3,975	7.93	June	4,070	8.04
10	Feb.	3,925	7.82	Feb.	4,131	7.92	June	3,952	7.88	Dec.	3,975	7.83
11	Dec.	3,925	7.82	Nov.	3,937	7.55	Feb.	3,936	7.85	Jan.	3,959	7.82
12	Nov.	3,694	7.36	Jan.	3,881	7.44	Nov.	3,528	7.04	Nov.	3,851	7.60
	Unk.	71	.14	Unk.	32	.06	Unk.	30	.06	Unk.	36	.07
	Aver'ge [a]	4,184	8.33	Aver'ge [a]	4,345	8.33	Aver'ge [a]	4,178	8.33	Aver'ge [a]	4,220	8.33

[a] Including births in unknown month.

Exhibit 2 shows the order of the months by number of births when they are corrected for omissions in the enumeration. It is similar in plan to Table II., but it will be seen that the order of the months is not the same. While the months of August, September, and December have the greatest number and per cent. of births in Table II., the months of March, August, and September appear at the head in Exhibit 2. Another fact to be observed in this connection is the more uniform regularity of the number of births in the different months in Exhibit 2.

EXHIBIT A.—*Births in Michigan during the Year 1880, as Returned, as Corrected for Omissions in the Enumeration; the same Equalized for Increase of Population during the Year covered by the Returns, and the Births as thus Corrected and Equalized for the several Months, Equalized for Months of a Uniform length of 30.44 days each; also, indicating some of the steps by which these results have been reached. (Still-births and Children of unknown Sex included.)*

	Total.	Months, 1880.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births as returned by Registration Officers	[a] 35,287	2,355	2,513	2,850	2,824	2,880	2,772	3,011	3,285	3,278	3,173	3,068	3,278
Per cent. of births to be added for correction for time elapsing before enumeration	.....	68.12	63.86	59.60	55.34	51.08	46.82	42.56	38.30	34.04	29.78	25.52	21.26
Number of births to be added for above correction	15,320	1,604	1,605	1,699	1,563	1,471	1,298	1,281	1,258	1,116	945	783	697
Births, if enumerated in months of occurrence	50,607	3,959	4,118	4,549	4,387	4,351	4,070	4,292	4,543	4,394	4,118	3,851	3,975
Per cent. of births to be added to equalize them to population at close of year	.....	4.21	3.86	3.51	3.16	2.81	2.46	2.11	1.76	1.41	1.06	.71	.35
Births to be added to equalize them to population at close of year	1,165	167	159	160	139	122	100	91	80	62	44	27	14
Births, as corrected, equalized to population at close of year	51,772	4,126	4,277	4,709	4,526	4,473	4,170	4,383	4,623	4,456	4,162	3,878	3,989
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+1.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	+80	—75	+212	—85	+66	—81	+61	—79	—84	+65	—65	+57	—72
Births, corrected and equalized, equalized to months of uniform length	51,692	4,051	4,489	4,624	4,592	4,392	4,231	4,304	4,539	4,521	4,097	3,935	3,917

[a] Excluding 36 in unknown month.

EXHIBIT B.—*Births of Males in Michigan during the Year 1880, as Returned, as Corrected for Omissions in the Enumeration; the same Equalized for Increase of Population during the Year covered by the Returns, and the Births as thus Corrected and Equalized for the several Months, Equalized for Months of 30.44 Days each.*

	Total.	Months, 1880.											
		Jan.	Feb.	Mar.	April	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births of Males as returned by Registration officers	a 18,355	1,234	1,385	1,506	1,502	1,472	1,424	1,563	1,682	1,673	1,646	1,628	1,690
Per cent. of births to be added for correction for time elapsing before enumeration	.....	76.62	71.83	67.04	62.25	57.46	52.67	47.88	43.09	38.30	33.51	28.72	23.93
Number of births to be added for above correction	8,983	945	959	1,010	935	846	750	748	725	641	552	468	404
Births of males, if enumerated in months of occurrence	27,338	2,179	2,294	2,516	2,437	2,318	2,174	2,311	2,407	2,314	2,198	2,096	2,094
Per cent. of births to be added to equalize them to population at close of year	.....	4.21	3.86	3.51	3.16	2.81	2.46	2.11	1.76	1.41	1.06	.71	.35
Births to be added to equalize them to population at close of year	647	92	89	88	77	65	53	49	42	47	23	15	7
Births of males, as corrected, equalized to population at close of year	27,985	2,271	2,383	2,604	2,514	2,383	2,227	2,360	2,449	2,361	2,221	2,111	2,101
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+ 1.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	—42	—41	+118	—47	+37	—43	+33	—43	—44	+35	—40	+31	—38
Births of males, corrected and equalized, equalized to months of uniform length	27,943	2,230	2,501	2,557	2,551	2,340	2,260	2,317	2,405	2,396	2,181	2,142	2,063

Excluding 18 births in unknown month.

EXHIBIT C.—*Births of Females in Michigan during the Year 1880, as Returned, as Corrected for Omissions in the Enumeration; the same Equalized for Increase of Population during the Year covered by the Returns, and the Births as thus Corrected and Equalized for the several Months, Equalized for Months of 30.44 Days each.*

	Total.	Months, 1880.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births of Females as returned by Registration Officers	[a] 16,873	1,119	1,171	1,342	1,318	1,403	1,345	1,442	1,599	1,598	1,522	1,436	1,578
Per cent. of Births to be added for correction for time elapsing before enumeration	.....	59.47	55.75	52.03	48.31	44.59	40.87	37.15	33.43	29.71	25.99	22.27	18.55
Number of births to be added for above correction	6,384	665	653	698	637	626	550	536	535	475	396	320	293
Births of Females, if enumerated in months of occurrence	23,257	1,784	1,824	2,040	1,955	2,029	1,895	1,978	2,134	2,073	1,918	1,756	1,871
Per cent. of births to be added to equalize them to population at close of year	.....	4.21	3.86	3.51	3.16	2.81	2.46	2.11	1.76	1.41	1.06	.71	.35
Births to be added to equalize them to population at close of year	531	75	70	72	62	57	47	42	38	29	20	12	7
Births of Females, as corrected, equalized to population at close of year	23,788	1,859	1,894	2,112	2,017	2,086	1,942	2,020	2,172	2,102	1,938	1,768	1,878
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	−.56	+1.44	−.56	+.44	−.56	+.44	−.56	−.56	+.44	−.56	+.44	−.56
Number of births added or subtracted to equalize them to months of uniform length	−45	−34	+94	−38	+30	−38	+28	−36	−39	+31	−35	+26	−34
Births of Females, corrected and equalized, equalized to months of uniform length	23,743	1,825	1,988	2,074	2,047	2,048	1,970	1,984	2,133	2,133	1,903	1,794	1,844

[a] Excluding 15 births in unknown month.

EXHIBIT D.—*Births of Males and of Females in Michigan during the Year 1880, Corrected for Omissions in the Enumeration, and, as thus Corrected, Equalized to Months of Uniform length; also, the total Births of both Sexes as thus Corrected and Equalized.* (*Births of Children of unknown Sex not included.*)

	Total.	Months, 1880.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births of Males, if enumerated in months of occurrence	[a] 27,338	2,179	2,294	2,516	2,437	2,318	2,174	2,311	2,407	2,314	2,198	2,096	2,094
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+ 1.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	—42	—39	+ 114	—45	+ 36	—42	+ 32	—42	—43	+ 34	—40	+ 31	—38
Births of Males, corrected and equalized to months of uniform length	27,296	2,140	2,408	2,471	2,473	2,276	2,206	2,269	2,364	2,348	2,158	2,127	2,056
Births of Females, if enumerated in months of occurrence	[b] 23,257	1,784	1,824	2,040	1,955	2,029	1,895	1,978	2,134	2,073	1,918	1,756	1,871
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+ 1.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	—46	—32	+ 91	—37	+ 29	—37	+ 28	—36	—39	+ 30	—35	+ 26	—34
Births of Females, corrected and equalized to months of uniform length	23,211	1,752	1,915	2,003	1,984	1,992	1,923	1,942	2,095	2,103	1,883	1,782	1,837
Births of Males, corrected and equalized to months of uniform length	27,296	2,140	2,408	2,471	2,473	2,276	2,206	2,269	2,364	2,348	2,158	2,127	2,056
Births of Males and of Females, corrected and equalized to months of uniform length	50,507	3,892	4,323	4,474	4,457	4,268	4,129	4,211	4,459	4,451	4,041	3,909	3,893
Males to 100 Females, Births corrected and equalized to months of uniform length	118	122	126	123	125	114	115	117	113	112	115	119	112

[a] Excluding 18 births in unknown month. [b] Excluding 15 births in unknown month.

EXHIBIT 3.—*Births in Michigan during the Year 1880, Corrected for Omissions in Enumerating and Equalized for Months of a uniform length of 30.44 Days each.* (*Still-births and Children of unknown Sex included.*)

	Total.	Months, 1880.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births, if enumerated in months of occurrence	a 50,607	3,959	4,118	4,549	4,387	4,351	4,070	4,292	4,543	4,394	4,118	3,851	3,975
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+1.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	—91	—72	+204	—82	+64	—79	+60	—78	—82	+64	—74	+56	—72
Births, corrected and equalized to months of uniform length	50,516	3,887	4,322	4,467	4,451	4,272	4,130	4,214	4,461	4,458	4,044	3,907	3,903

a Excluding 36 births in unknown month.

Some of the details of the correction which is used to ascertain the probable number of births that occurred in Michigan during the year 1880, are shown in Exhibits A, B, C, D, and 3. In the first line of Exhibit A the births are given as they are returned to the State Department by the registration officers. In the second line is the per cent. of births to be added for correction for time elapsing before enumeration. Those who wish to examine critically the accuracy of this per cent. and the methods employed in obtaining it can do so by reference to "Statistics of Michigan, 1870," and Vital Statistics of Michigan, 1871, pages 10–13.

TABLE III.—*Exhibiting the Relation between the Births Returned as having occurred in Michigan during the Year 1880, and the Marriages solemnized in the Months of the Years 1879 and 1880, in which the Conceptions probably occurred. (Births and Marriages in unknown month excluded.)*

	Births returned as having occurred in 1880, equalized to months of 30.44 days each, in order by number, greatest first.				Number of Marriages from April, 1879, to March, 1880, equalized to Months of 30.44 days each.[b]
	Births.[a]		Conceptions.		
	Year and Months.	Number.	Months.	Year.	
Year		[a] 35,211			13,890
More than the Av. No. of Births.	September	3,326	December	1879	1,439
	August	3,226	November	1879	1,551
	December	3,218	March [c]	1880	1,051
	October	3,116	January [c]	1880	1,133
	November	3,113	February [c]	1880	1,088
	July	2,957	October	1879	1,530
Average		2,934			1,158
Less than the Av. No. of Births.	April	2,865	July	1879	1,043
	May	2,828	August	1879	903
	June	2,813	September [c]	1879	1,278
	March	2,799	June	1879	887
	February	2,638	May	1879	995
	January	2,312	April	1879	992

[a] Excluding births in unknown month.
[b] Corrected up to May 11, 1882.
[c] Exceptions to the statement that *more* than the average number of conceptions appear for months in which *more* than the average number of marriages were solemnized, and *less* than the average number of conceptions in months in which *less* than the average number of marriages were solemnized.

Table III. affords an opportunity for studying the relation between the number of births returned and the number of marriages which were solemnized in the months in which the conceptions of births occurred. The proposition that more than an average number of conceptions appear for months in which more than an average number of marriages were solemnized, and less than an average number of conceptions in months in which less than an average number of marriages were solemnized holds true in eight out of twelve months. The exceptions being in the months of January, February, March, and September of marriages. These facts tend to prove, as the same results are shown for previous years, the great influence which the marriage-rate has upon the birth-rate; that a larger than average marriage-rate is followed by a larger than average birth-rate, and *vice versa.*

EXHIBIT E.—*The Relation between the Births in Michigan during the Year 1880, Corrected for Omissions in Enumerating, and the Marriages solemnized in the Months of the Years 1879 and 1880, in which the Conceptions probably occurred.* (*Births and Marriages in unknown Month excluded.*)

Births in 1880, Corrected as if Enumerated in Months of Occurrence, and Equalized to Months of Uniform Length, in Order by Number, Greatest First.						No. of Marriages from April, 1879, to March, 1880, equalized to Months of 30.44 Days each.[b]
	Births.[a]		Conceptions.			
	Year and Months.	Number.	Months.		Year.	
Year		[a] 50,135				13,890
More than the Av. No. of Births.	March	4,467	June	[c]	1879	887
	August	4,461	November		1879	1,551
	September	4,458	December		1879	1,439
	April	4,451	July	[c]	1879	1,043
	February	4,322	May	[c]	1879	995
	May	4,272	August	[c]	1879	903
	July	4,214	October		1879	1,530
Average		4,210				1,158
Less than the Av. No. of Births.	June	4,130	September	[c]	1879	1,278
	October	4,044	January		1880	1,133
	November	3,907	February		1880	1,068
	December	3,903	March		1880	1,051
	January	3,887	April		1879	992

[a] Unknown month excluded.
[b] Corrected, for additional returns, up to May 11, 1882.
[c] Exceptions to the statement that *more* than the average number of conceptions appear for months in which *more* than the average number of marriages were solemnized, and *less* than the average number of conceptions in months in which *less* than the average number of marriages were solemnized.

The only difference in the construction of Table III. and Exhibit E is that in the latter the births are corrected for omissions in the enumeration and then equalized to months of uniform length. In Exhibit E it will be seen that there are four exceptions to the proposition as stated in foot-note [c], and also that these exceptions do not occur in the same months as in Table III., except September. The exceptions in this Exhibit and also in Table III. indicate that there are other causes besides marriages that have an influence upon the birth-rate. By reference to "Vital Statistics of Michigan, 1875," pages 4 and 5, the reader will find an examination of some of these causes and the reasons for them.

TABLE IV.—*Exhibiting, by Counties and by Sex, the Number of Children Returned as having been born in Michigan during the Year, and in each Month of the Year ending December 31, 1880. (Still-births included.)*

State and Counties.	Sex.	Year, 1880.	Months, 1880.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
State[a]	Total	35,323	2355	2513	2850	2824	2880	2772	3011	3235	3278	3173	3068	3278	36
	Males	18,373	1234	1335	1506	1502	1472	1424	1563	1682	1673	1646	1628	1690	18
	Females	16,888	1119	1171	1342	1318	1403	1345	1442	1599	1598	1522	1436	1578	15
	Unknown	62	2	7	2	4	5	3	6	4	7	5	4	10	3
Alcona	Total	32	1	2	2	4	3	2	2	4	5	2	3	2	----
	Males	14	1	----	1	2	1	2	1	2	3	----	1	----	----
	Females	18	----	2	1	2	2	----	1	2	2	2	2	2	----
Allegan	Total	821	45	65	60	64	65	82	67	79	75	66	73	80	----
	Males	425	23	36	35	37	37	48	30	37	34	35	33	40	----
	Females	396	22	29	25	27	28	34	37	42	41	31	40	40	----
Alpena[b]	Total	261	14	21	28	29	20	23	22	18	23	18	18	26	1
	Males	133	7	6	20	15	8	11	6	9	13	13	8	17	----
	Females	127	7	15	8	14	12	12	16	8	10	5	10	9	1
	Unknown	1	----	----	----	----	----	----	----	1	----	----	----	----	----
Antrim	Total	128	7	7	14	14	11	10	14	6	14	13	6	12	----
	Males	71	4	5	9	5	7	5	7	3	10	6	2	8	----
	Females	57	3	2	5	9	4	5	7	3	4	7	4	4	----
Baraga	Total	51	4	5	5	3	4	1	6	3	4	5	8	3	----
	Males	33	2	4	2	2	2	1	4	2	3	4	4	3	----
	Females	18	2	1	3	1	2	----	2	1	1	1	4	----	----
Barry	Total	524	28	35	36	45	53	39	41	51	52	35	56	52	1
	Males	247	13	15	15	23	22	21	25	21	22	17	29	23	1
	Females	277	15	20	21	22	31	18	16	30	30	18	27	29	----
Bay	Total	1,077	75	71	83	68	104	99	97	116	86	85	90	102	1
	Males	586	52	42	40	38	56	53	50	63	46	47	53	46	----
	Females	491	23	29	43	30	48	46	47	53	40	38	37	56	1
Benzie	Total	88	4	3	9	4	8	12	11	11	9	12	3	2	----
	Males	46	1	2	4	2	5	6	7	5	4	8	1	1	----
	Females	39	3	1	5	2	3	5	4	6	5	3	2	----	----
	Unknown	3	----	----	----	----	----	1	----	----	----	1	----	1	----
Berrien	Total	640	47	37	44	46	49	49	60	68	57	71	63	49	----
	Males	354	23	20	28	22	30	25	31	37	32	35	41	30	----
	Females	285	24	17	16	24	19	24	29	31	25	36	22	18	----
	Unknown	1	----	----	----	----	----	----	----	----	----	----	----	1	----

[a] Except of counties and townships not represented by returns of births in 1880.
[b] No returns from the township of Briley.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1880.	MONTHS, 1880.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Branch	Total	467	33	22	29	46	40	36	48	45	51	46	30	41	....
	Males	239	17	14	12	25	24	17	20	18	36	22	13	21	....
	Females	227	16	7	17	21	16	19	28	27	15	24	17	20	....
	Unknown	1	....	1	....	....	....	....	....	....	....	....	....	....	....
Calhoun	Total	557	34	36	44	35	56	57	38	59	46	49	50	53	....
	Males	285	16	22	21	19	35	23	20	25	29	21	26	28	....
	Females	263	18	14	23	15	20	33	17	32	17	28	21	25	....
	Unknown	9	....	....	....	1	1	1	1	2	....	....	3	....	....
Cass	Total	468	27	23	32	47	50	32	34	45	44	56	49	28	1
	Males	242	14	12	13	28	26	16	17	28	19	31	27	10	1
	Females	225	13	11	19	19	23	16	17	17	25	25	22	18	....
	Unknown	1	....	....	....	....	1	....	....	....	....	....	....	....	....
Charlevoix	Total	127	2	6	5	9	15	11	13	17	17	11	8	13	....
	Males	63	2	5	1	5	7	5	9	8	6	7	4	4	....
	Females	64	....	1	4	4	8	6	4	9	11	4	4	9	....
Cheboygan[a]	Total	191	11	8	18	17	23	12	20	23	18	12	10	19	....
	Males	103	6	3	9	10	13	6	10	16	10	7	5	8	....
	Females	88	5	5	9	7	10	6	10	7	8	5	5	11	....
Chippewa[b]	Total	65	9	7	6	2	9	8	3	2	5	5	6	3	....
	Males	33	6	2	3	....	7	5	1	....	5	2	2	....	....
	Females	32	3	5	3	2	2	3	2	2	....	3	4	3	....
Clare	Total	62	4	6	3	5	6	8	4	3	6	8	5	4	....
	Males	31	2	2	2	4	1	5	2	2	3	4	2	2	....
	Females	30	2	4	1	1	5	3	1	1	3	4	3	2	....
	Unknown	1	....	....	....	....	....	....	1	....	....	....	....	....	....
Clinton	Total	481	19	35	34	38	40	29	42	55	48	41	53	47	....
	Males	226	9	17	15	22	15	13	21	25	18	19	34	18	....
	Females	254	10	18	19	16	25	16	21	30	29	22	19	29	....
	Unknown	1	....	....	....	....	....	....	....	....	1	....	....	....	....
Crawford	Total	27	....	1	1	3	2	....	2	2	4	4	3	4	1
	Males	19	....	....	1	3	2	....	1	1	2	2	2	4	1
	Females	8	....	1	....	....	....	....	1	1	2	2	1	....	....
Delta[c]	Total	168	10	16	15	20	9	16	12	9	14	14	15	18	....
	Males	75	3	8	6	9	5	7	7	4	3	8	8	7	....
	Females	93	7	8	9	11	4	9	5	5	11	6	7	11	....

[a] No returns from the township of Ellis.
[b] No returns from the townships of Detour and Superior.
[c] No returns from townships of Baldwin and Sack Bay.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1880.	MONTHS, 1880. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Eaton	Total	662	35	51	55	50	52	51	67	60	66	54	56	64	1
	Males	338	13	25	27	34	25	22	38	26	33	27	34	34	----
	Females	323	22	26	28	16	27	29	29	34	32	27	22	30	1
	Unknown	1	----	----	----	----	----	----	----	----	1	----	----	----	----
Emmet	Total	138	13	7	10	7	16	13	7	14	10	9	18	11	3
	Males	72	7	5	6	6	8	6	4	6	2	7	9	4	2
	Females	66	6	2	4	1	8	7	3	8	8	2	9	7	1
Genesee	Total	689	42	53	54	57	65	55	65	58	57	57	58	66	2
	Males	369	22	29	29	25	37	26	41	35	34	27	31	33	----
	Females	318	20	24	25	32	28	29	24	23	23	30	27	33	----
	Unknown	2	----	----	----	----	----	----	----	----	----	----	----	----	2
Gladwin	Total	14	1	2	1	1	1	----	4	1	1	----	1	1	----
	Males	8	1	----	1	1	1	----	1	----	1	----	1	1	----
	Females	6	----	2	----	----	----	----	3	1	----	----	----	----	----
Grand Traverse	Total	143	16	13	11	15	10	26	11	13	7	6	4	11	----
	Males	76	8	5	7	8	6	13	6	6	2	3	4	8	----
	Females	67	8	8	4	7	4	13	5	7	5	3	----	3	----
Gratiot	Total	470	26	38	49	43	22	33	49	55	48	31	38	38	----
	Males	236	14	23	25	20	13	13	30	28	16	13	23	18	----
	Females	234	12	15	24	23	9	20	19	27	32	18	15	20	----
Hillsdale	Total	500	29	34	31	48	28	42	41	38	72	53	48	36	----
	Males	272	22	18	17	33	11	26	18	22	35	23	25	22	----
	Females	228	7	16	14	15	17	16	23	16	37	30	23	14	----
Houghton	Total	822	60	52	74	59	54	64	85	74	73	93	74	60	----
	Males	422	28	30	33	28	24	46	52	32	39	48	32	30	----
	Females	400	32	22	41	31	30	18	33	42	34	45	42	30	----
Huron	Total	640	41	39	54	53	53	52	47	61	56	60	50	74	----
	Males	318	21	19	24	31	24	23	27	30	28	24	29	33	----
	Females	322	20	20	30	22	29	29	20	31	28	36	21	36	----
	Unknown	5	----	----	----	----	----	----	----	----	----	----	----	5	----
Ingham	Total	481	27	31	28	36	46	35	38	41	60	37	52	48	2
	Males	252	16	14	15	19	23	13	20	23	38	18	26	25	2
	Females	228	11	17	13	17	23	22	18	18	22	18	26	23	----
	Unknown	1	----	----	----	----	----	----	----	----	----	1	----	----	----
Ionia	Total	656	38	36	53	54	52	45	59	70	78	55	61	55	----
	Males	314	24	18	26	30	24	23	32	28	36	25	25	23	----
	Females	340	14	18	27	24	28	22	26	41	42	30	36	32	----
	Unknown	2	----	----	----	----	----	----	1	1	----	----	----	----	----

No returns from township of East Bay.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1880.	MONTHS, 1880.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Iosco[a]	Total	102	8	11	12	5	9	6	5	10	11	10	8	7	----
	Males	65	6	6	3	4	8	6	3	5	8	5	5	6	----
	Females	37	2	5	9	1	1	----	2	5	3	5	3	1	----
Isabella	Total	346	25	31	25	22	42	20	33	30	26	34	24	33	1
	Males	202	13	15	14	14	29	13	19	18	15	18	13	21	----
	Females	144	12	16	11	8	13	7	14	12	11	16	11	12	1
Isle Royal[b]		----	----	----	----	----	----	----	----	----	----	----	----	----	----
Jackson	Total	722	56	41	52	56	47	52	68	86	58	81	66	59	----
	Males	358	27	19	34	32	21	24	31	38	29	41	35	27	----
	Females	363	29	22	18	24	26	28	37	48	28	40	31	32	----
	Unknown	1	----	----	----	----	----	----	----	----	1	----	----	----	----
Kalamazoo	Total	571	44	38	39	47	39	38	61	54	59	59	41	51	1
	Males	290	23	19	24	25	15	18	33	33	30	26	16	28	----
	Females	281	21	19	15	22	24	20	28	21	29	33	25	23	1
Kalkaska[c]	Total	60	7	3	3	4	9	2	6	4	7	8	3	4	----
	Males	40	6	3	2	2	6	1	3	1	5	7	3	1	----
	Females	20	1	----	1	2	3	1	3	3	2	1	----	3	----
Kent	Total	1,698	107	128	133	140	138	143	129	148	136	149	167	177	3
	Males	890	56	63	71	76	73	74	64	73	66	85	94	94	1
	Females	805	51	63	62	63	65	69	65	75	70	64	73	83	2
	Unknown	3	----	2	----	1	----	----	----	----	----	----	----	----	----
Keweenaw	Total	233	23	15	23	21	18	14	16	24	17	21	22	19	----
	Males	141	14	8	17	13	10	10	10	13	10	11	12	13	----
	Females	92	9	7	6	8	8	4	6	11	7	10	10	6	----
Lake[d]	Total	58	----	1	7	2	5	8	6	7	6	6	4	6	----
	Males	24	----	----	4	2	4	1	4	3	1	3	----	2	----
	Females	34	----	1	3	----	1	7	2	4	5	3	4	4	----
Lapeer	Total	612	34	43	52	48	41	54	47	64	69	61	42	56	1
	Males	329	13	24	32	22	25	29	24	34	42	34	22	28	----
	Females	283	21	19	20	26	16	25	23	30	27	27	20	28	1
Leelanaw	Total	171	7	13	20	17	20	12	17	15	13	13	13	11	----
	Males	83	3	6	11	11	10	6	7	9	4	6	5	5	----
	Females	88	4	7	9	6	10	6	10	6	9	7	8	6	----
Lenawee	Total	761	64	52	41	60	60	59	67	74	74	73	76	60	1
	Males	375	34	25	20	31	33	29	37	32	36	31	35	31	1
	Females	386	30	27	21	29	27	30	30	42	38	42	41	29	----

[a] No returns from townships of Plainfield and Wilbur. [b] No returns from county clerk to State Department. [c] No returns from township of Springfield. [d] No returns from township of Elk.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1880.	MONTHS, 1880.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Livingston	Total	366	26	26	25	25	32	39	24	30	48	39	20	31	1
	Males	165	13	13	8	13	18	14	8	17	21	15	11	13	1
	Females	199	13	13	16	11	14	25	16	13	27	24	9	18	....
	Unknown	2	....	....	1	1	....	....	....	....	....	....	....	....	....
Mackinac[a]	Total	61	7	7	6	7	13	4	3	9	2	....	1	2	....
	Males	36	6	5	4	3	6	3	2	4	1	....	1	1	....
	Females	25	1	2	2	4	7	1	1	5	1	....	....	1	....
Macomb	Total	624	33	46	48	60	36	59	54	58	56	67	53	54	....
	Males	325	12	25	21	23	22	32	30	30	27	44	32	27	....
	Females	299	21	21	27	37	14	27	24	28	29	23	21	27	....
Manistee	Total	422	29	34	35	40	27	38	34	35	40	35	37	38	....
	Males	228	13	21	18	20	10	19	17	27	18	23	21	21	....
	Females	194	16	13	17	20	17	19	17	8	22	12	16	17	....
Manitou	Total	24	1	1	11	3	1	1	1	....	....	2	2	1	....
	Males	8	1	....	1	1	....	1	1	....	....	1	1	1	....
	Females	16	....	1	10	2	1	....	....	....	....	1	1	....	....
Marquette[b]	Total	740	40	49	76	45	76	59	47	57	56	57	84	94	....
	Males	395	23	24	42	29	39	26	22	30	28	31	46	55	....
	Females	345	17	25	34	16	37	33	25	27	28	26	38	39	....
Mason	Total	183	7	14	12	14	23	17	22	17	14	15	14	14	....
	Males	106	4	6	6	11	13	10	13	8	10	5	13	7	....
	Females	77	3	8	6	3	10	7	9	9	4	10	1	7	....
Mecosta	Total	235	19	17	12	24	14	16	20	19	19	21	26	28	....
	Males	126	10	9	7	12	6	7	15	10	10	12	15	13	....
	Females	109	9	8	5	12	8	9	5	9	9	9	11	15	....
Menominee[c]	Total	134	4	21	11	8	10	10	9	18	13	9	7	14	....
	Males	79	2	14	7	6	8	5	4	10	5	6	5	7	....
	Females	55	2	7	4	2	2	5	5	8	8	3	2	7	....
Midland	Total	174	10	16	16	11	14	13	18	14	22	10	18	12	....
	Males	83	3	9	7	7	4	7	11	4	11	6	9	5	....
	Females	91	7	7	9	4	10	6	7	10	11	4	9	7	....

[a] No returns from the townships of Brevort, Hendricks, and Lakefield.
[b] No returns from the township of Richmond.
[c] No returns from the townships of Cedarville, Nadeau, and Spaulding.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1880.	MONTHS, 1880.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Missaukee	Total	50	2	2	4	5	6	4	4	5	4	10	----	4	----
	Males	26	----	----	2	5	4	1	3	2	2	6	----	1	----
	Females	23	2	2	2	----	2	3	----	3	2	4	----	3	----
	Unknown	1	----	----	----	----	----	----	1	----	----	----	----	----	----
Monroe	Total	821	66	49	64	67	76	61	72	62	77	91	60	75	1
	Males	430	31	32	36	28	42	34	36	37	41	43	32	37	1
	Females	391	35	17	28	39	34	27	36	25	36	48	28	38	----
Montcalm*	Total	612	43	56	51	58	46	53	59	61	51	42	46	44	2
	Males	324	24	24	25	26	23	27	30	33	29	26	30	26	1
	Females	285	19	32	26	32	23	26	29	28	20	16	16	17	1
	Unknown	3	----	----	----	----	----	----	----	----	2	----	----	1	----
Muskegon	Total	630	35	44	72	55	48	44	53	42	74	51	55	57	----
	Males	313	13	26	36	27	28	18	28	16	40	31	21	29	----
	Females	316	22	18	36	28	19	26	25	26	34	20	34	28	----
	Unknown	1	----	----	----	----	1	----	----	----	----	----	----	----	----
Newaygo	Total	231	16	17	13	13	25	21	23	27	17	16	21	21	1
	Males	114	7	5	6	6	9	15	14	12	12	8	6	13	1
	Females	117	9	12	7	7	16	6	9	15	5	8	15	8	----
Oakland	Total	568	36	48	41	36	58	41	50	50	60	44	54	49	1
	Males	293	21	28	21	16	26	27	22	25	30	23	26	28	----
	Females	269	15	18	20	20	31	13	27	25	30	20	28	21	1
	Unknown	6	----	2	----	----	1	1	1	----	----	1	----	----	----
Oceana	Total	270	9	29	26	23	20	23	21	32	27	22	15	23	----
	Males	164	5	20	20	16	10	15	12	20	13	12	8	13	----
	Females	106	4	9	6	7	10	8	9	12	14	10	7	10	----
Ogemaw	Total	23	1	2	4	----	----	1	2	1	7	4	1	----	----
	Males	14	1	2	3	----	----	1	1	----	4	1	1	----	----
	Females	9	----	----	1	----	----	----	1	1	3	3	----	----	----
Ontonagon	Total	61	5	13	6	6	5	4	4	4	2	5	2	5	----
	Males	36	1	9	4	5	3	2	2	----	2	2	2	4	----
	Females	25	4	4	2	1	2	2	2	4	----	3	----	1	----
Osceola	Total	286	19	23	27	16	29	24	32	23	33	25	16	19	----
	Males	150	7	17	17	8	20	14	14	10	17	11	8	7	----
	Females	136	12	6	10	8	9	10	18	13	16	14	8	12	----

* No returns from the township of Home.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1880.	MONTHS, 1880.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Oscoda	Total	8	----	----	----	----	----	1	2	4	----	----	----	1	----
	Males	3	----	----	----	----	----	----	1	1	----	----	----	1	----
	Females	5	----	----	----	----	----	1	1	3	----	----	----	----	----
Otsego	Total	31	3	1	----	2	1	3	4	8	3	1	2	3	----
	Males	23	2	1	----	2	1	2	2	7	1	1	2	2	----
	Females	8	1	----	----	----	----	1	2	1	2	----	----	1	----
Ottawa	Total	775	57	66	73	67	70	67	61	65	59	68	52	69	1
	Males	376	26	27	39	32	36	34	34	31	28	33	22	34	----
	Females	397	30	39	34	35	34	33	27	34	31	35	30	35	----
	Unknown	2	1	----	----	----	----	----	----	----	----	----	----	----	1
Presque Isle	Total	148	14	12	13	12	6	6	13	10	20	14	16	12	----
	Males	82	6	8	10	6	3	3	8	5	10	5	12	6	----
	Females	65	8	4	3	5	3	3	5	5	10	9	4	6	----
	Unknown	1	----	----	----	1	----	----	----	----	----	----	----	----	----
Roscommon	Total	17	----	1	3	2	3	2	----	----	1	----	2	3	----
	Males	9	----	----	2	1	2	1	----	----	----	----	2	1	----
	Females	8	----	1	1	1	1	1	----	----	1	----	----	2	----
Saginaw [a]	Total	1,375	103	93	108	120	115	103	103	145	118	118	112	137	----
	Males	743	56	58	62	62	55	54	55	86	62	62	57	74	----
	Females	631	47	34	46	58	60	49	48	59	56	56	55	63	----
	Unknown	1	----	1	----	----	----	----	----	----	----	----	----	----	----
Sanilac	Total	738	46	63	53	63	66	67	62	74	65	62	55	62	----
	Males	383	21	31	29	34	35	31	33	40	30	35	32	32	----
	Females	355	25	32	24	29	31	36	29	34	35	27	23	30	----
Schoolcraft [b]	Total	21	3	1	2	----	4	4	1	1	3	----	----	2	----
	Males	6	1	1	----	----	2	----	1	----	1	----	----	----	----
	Females	15	2	----	2	----	2	4	----	1	2	----	----	2	----
Shiawassee	Total	461	25	28	42	34	29	41	38	56	48	51	29	37	3
	Males	244	16	18	18	14	12	28	20	29	21	30	17	19	2
	Females	212	8	9	23	20	17	13	18	27	26	21	12	17	1
	Unknown	5	1	1	1	----	----	----	----	----	1	----	----	1	----
St. Clair	Total	900	48	52	77	71	65	85	84	83	65	94	88	85	3
	Males	472	25	22	46	42	30	44	43	51	29	47	46	46	1
	Females	423	23	30	31	29	34	41	40	32	35	46	41	39	2
	Unknown	5	----	----	----	----	1	----	1	----	1	1	1	----	----

[a] No returns from township of Bridgeport.
[b] No returns from the townships of Munising, and Onota.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1880.	MONTHS, 1880.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
St. Joseph	Total	420	28	26	29	32	33	32	38	48	39	33	43	37	2
	Males	204	14	13	11	13	13	17	19	27	24	15	19	18	1
	Females	216	14	13	18	19	20	15	19	21	15	18	24	19	1
Tuscola	Total	537	30	27	52	50	35	34	49	52	55	59	39	55	----
	Males	272	16	15	30	22	14	17	29	21	27	35	17	29	----
	Females	265	14	12	22	28	21	17	20	31	28	24	22	26	----
Van Buren	Total	525	23	26	31	39	51	42	59	53	51	52	44	54	----
	Males	233	8	13	15	19	18	20	22	22	25	26	21	24	----
	Females	292	15	13	16	20	33	22	37	31	26	26	23	30	----
Washtenaw	Total	614	27	31	37	41	61	40	48	64	68	66	70	61	----
	Males	318	17	14	20	17	32	18	24	38	31	32	44	31	----
	Females	295	10	17	17	24	29	22	24	26	37	33	26	30	----
	Unknown	1	----	----	----	----	----	----	----	----	----	1	----	----	----
Wayne	Total	5,227	443	417	460	414	374	346	404	424	454	450	493	547	1
	Males	2,779	247	225	245	231	188	176	200	219	241	240	267	299	1
	Females	2,448	196	192	215	183	186	170	204	205	213	210	226	248	----
Wexford[a]	Total	227	20	17	15	17	14	17	29	17	25	17	16	23	----
	Males	117	10	11	9	7	7	10	14	9	14	9	8	9	----
	Females	109	10	6	6	10	7	7	15	8	11	8	8	13	----
	Unknown	1	----	----	----	----	----	----	----	----	----	----	----	1	----

[a] No returns from township of Concord.

Table V. contains valuable information concerning births by race or color, relation of the birth-rate to sex of children born, and the proportion of births by color to inhabitants. The statistics of inhabitants in 1880, represented by returns of births for the same year, are defective as regards the sex and age of the inhabitants for the different colors. In many instances the sex of inhabitants by townships is not stated, being returned only for counties, hence the exact figures cannot be obtained, and thus the table loses much of its interest. There is no distinction made between Black and Mulatto, and for this reason they must be studied together. It will be seen that the birth-rate among the Black and Mulatto inhabitants is larger than the average for all colors, and the birth-rate among the Indians larger than among the Whites. It will be observed also that the proportion of males is greatest among the Indians and least among the Black inhabitants.

Table VI. is also interesting as showing the number of birth by counties, by color, by sex, the number of males to 100 females, and the per cent. of births, by sex, to population, and to the total of both sexes. The statement of the birth-rate is made for every county in the State except Isle Royal, and of the remaining 77 counties, in 21 counties there was greater than average birth-rate, more than average proportion of males; in 13 counties greater than average birth-rate, less than average proportion of males; in 23 counties, less than average birth-rate, less than average proportion of males; in 20 counties, less than average birth-rate, more than average proportion of males. The proposition that a *greater* than average birth-rate is attended with *less* than the average proportion of males, and *less* than the average birth-rate is attended with *greater* than average proportion of males, holds true in 34 of 67 counties in 1871, in 37 of 68 counties in 1872, in 26 of 69 counties in 1873, in 33 of 68 counties in 1874, in 36 of 72 counties in 1875, in 40 of 74 counties in 1876, in 41 of 73 counties in 1877, in 38 of 74 counties in 1878, in 36 of 73 counties in 1879, and in 33 out of 77 counties in 1880.

Table VI. also shows the distribution, by counties, of color of children born and the number of births returned as unknown color. For 1880, the number returned as unknown color is 115, of which Montcalm county alone has 81.

TABLE V.—*Exhibiting, by Color and by Sex, the Number of Inhabitants of Michigan June 1, 1880, the Number of Children returned as having been born in the State during the Year 1880, the Per Cent. of Children born in 1880 to Inhabitants in 1880, the Per Cent. of Children of each Sex to the Total Number of both Sexes, and the Number of Inhabitants to each Child born of the Same Color.* (*Still-births included.*)

COLOR OR RACE.	SEX.	Population June 1, 1880, Represented by Births in 1880.	Children Born in 1880.	Per Cent. of births of each Color to total of all Colors, by Sex.	Per Cent. of each Sex to Children of both Sexes.	Inhabitants to One Child Born, by Color and Sex.
All Colors	Total	1,627,307	35,323	.....	.....	46.07
	Males	[a] 856,302	18,373	.....	52.11	46.61
	Females	771,005	16,888	.....	47.89	45.65
	Unknown	.....	62	.....	.....	.....
White	Total	1,605,127	34,856	98.68	.....	46.05
	Males	.....	18,141	98.74	52.10	.....
	Females	.....	16,676	98.74	47.90	.....
	Unknown	.....	39	62.90	.....	.....
Black	Total	.....	129	.37	.....	.....
	Males	.....	61	.33	47.29	.....
	Females	.....	68	.40	52.71	.....
Mulatto	Total	.....	73	.21	.....	.....
	Males	.....	39	.21	53.42	.....
	Females	.....	34	.21	46.58	.....
Indian	Total	7,067	150	.42	.....	47.11
	Males	.....	81	.45	54.00	.....
	Females	.....	69	.41	46.00	.....
Unknown color	Total	.....	115	.33	.....	.....
	Males	.....	51	.28	55.43	.....
	Females	.....	41	.24	44.57	.....
	Unknown	.....	23	37.10	.....	.....
Black and Mulatto	Total	15,085	202	.57	.....	74.68
	Males	.....	100	.54	49.50	.....
	Females	.....	102	.60	50.50	.....

[a] Includes 28 Asiatics.

TABLE VI.—*Exhibiting for the State and Counties of Michigan, by Sex, the Number of Inhabitants in 1880, the Per Cent. of Births Returned for 1880 to Population in 1880, the Number of Males to 100 Females born during the Year 1880, and, by Sex and by Color, the Number of Children Returned as having been born during the Year ending December 31, 1880. (Still-births included.)*

STATE AND COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1880 Represented by Births in 1880.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1880.					
						Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
State [a]	109	Total	.....	1,627,307	2.17	35,323	34,856	[b] 129	[c] 73	[d] 150	[e] 115
		Males	52.11	856,302	2.15	18,373	18,141	61	39	81	51
		Females	47.89	771,005	2.19	16,888	16,676	68	34	69	41
		Unknown	.....	.....	.....	62	39	.....	.....	.....	23
Alcona	78	Total	.....	3,107	1.03	32	32	.....	.....	.....	.....
		Males	43.75	1,945	.72	14	14	.....	.....	.....	.....
		Females	56.25	1,162	1.55	18	18	.....	.....	.....	.....
Allegan	107	Total	.....	37,815	2.17	821	809	5	7	.....	.....
		Males	51.77	19,732	2.15	425	420	2	3	.....	.....
		Females	48.23	18,083	2.19	396	389	3	4	.....	.....
Alpena [a]	105	Total	.....	8,789	2.97	261	261	.....	.....	.....	.....
		Males	51.15	5,161	2.58	133	133	.....	.....	.....	.....
		Females	48.85	3,628	3.50	127	127	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Antrim	125	Total	.....	5,237	2.44	128	127	.....	1	.....	.....
		Males	55.47	2,867	2.48	71	70	.....	1	.....	.....
		Females	44.53	2,370	2.41	57	57	.....	.....	.....	.....
Baraga	183	Total	.....	1,804	2.83	51	35	.....	.....	[f] 16	.....
		Males	64.71	1,036	3.19	33	21	.....	.....	12	.....
		Females	35.29	768	2.34	18	14	.....	.....	4	.....
Barry	89	Total	.....	25,317	2.07	524	524	.....	.....	.....	.....
		Males	47.14	13,284	1.86	247	247	.....	.....	.....	.....
		Females	52.86	12,033	2.30	277	277	.....	.....	.....	.....
Bay	119	Total	.....	38,081	2.83	1,077	1,073	1	.....	3	.....
		Males	54.41	21,098	2.78	586	585	1	.....	.....	.....
		Females	45.59	16,983	2.90	491	488	.....	.....	3	.....

[a] For counties and townships from which no returns of births were received, see Table XXI.
[b] 2 males and 2 females "Colored."
[c] 1 female "Octoroon."
[d] 17 males and 28 females White and Indian, 8 males and 1 female half Indian, 1 male three-fourths Indian, and one female "Half-breed."
[e] 5 unknown sex quintuplets.
[f] 3 males and 3 females White and Indian, 6 males and 1 female half Indian, and 1 male three-fourths Indian.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1880 Represented by Births in 1880.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1880. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Benzie	118	Total	.....	3,433	2.56	88	88	.....	.....	.....	.....
		Males	54.12	1,862	2.47	46	46	.....	.....	.....	.....
		Females	45.88	1,571	2.48	39	39	.....	.....	.....	.....
		Unknown	.....	.....	.....	3	3	.....	.....	.....	.....
Berrien	124	Total	.....	36,785	1.74	640	636	2	1	.....	1
		Males	55.40	18,805	1.88	354	352	2	.....	.....	.....
		Females	44.60	17,980	1.59	285	284	.....	1	.....	.....
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1
Branch	105	Total	.....	27,941	1.67	467	466	1	.....	.....	.....
		Males	51.29	14,240	1.68	239	239	.....	.....	.....	.....
		Females	48.71	13,701	1.66	227	226	1	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Calhoun	108	Total	.....	38,452	1.45	557	551	2	.....	1	3
		Males	52.01	19,599	1.45	285	282	2	.....	1	.....
		Females	47.99	18,853	1.40	263	263	.....	.....	.....	.....
		Unknown	.....	.....	.....	9	6	.....	.....	.....	3
Cass	108	Total	.....	22,009	2.13	468	423	12	26	.....	7
		Males	51.82	11,350	2.13	242	221	4	16	.....	1
		Females	48.18	10,659	2.12	225	202	8	10	.....	5
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1
Charlevoix	98	Total	.....	5,115	2.48	127	123	1	.....	3	.....
		Males	49.61	2,743	2.30	63	62	.....	.....	1	.....
		Females	50.39	2,372	2.70	64	61	1	.....	2	.....
Cheboygan[a]	117	Total	.....	6,524	2.93	191	190	.....	.....	[b] 1	.....
		Males	53.93	3,760	2.74	103	103	.....	.....	.....	.....
		Females	46.07	2,764	3.18	88	87	.....	.....	1	.....
Chippewa[a]	103	Total	.....	4,777	1.36	65	36	.....	.....	[c] 29	.....
		Males	50.77	2,621	1.26	33	18	.....	.....	15	.....
		Females	49.23	2,156	1.48	32	18	.....	.....	14	.....
Clare	103	Total	.....	4,187	1.48	62	62	.....	.....	.....	.....
		Males	50.82	2,793	1.11	31	31	.....	.....	.....	.....
		Females	49.18	1,394	2.15	30	30	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....

[a] For townships from which no returns of births were received, see Table XXI.
[b] 1 female White and Indian.
[c] 14 males and 12 females White and Indian.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1880 Represented by Births in 1880.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1880. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Clinton	89	Total	.....	28,100	1.71	481	480	.....	.....	.....	1
		Males	47.08	14,657	1.54	226	226	.....	.....	.....	.....
		Females	52.92	13,443	1.89	254	254	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1
Crawford	238	Total	.....	1,159	2.33	27	27	.....	.....	.....	.....
		Males	70.37	683	2.78	19	19	.....	.....	.....	.....
		Females	29.63	476	1.68	8	8	.....	.....	.....	.....
Delta[a]	81	Total	.....	6,216	2.70	168	166	.....	.....	[b] 1	1
		Males	44.64	3,815	1.97	75	74	.....	.....	.....	1
		Females	55.36	2,401	3.87	93	92	.....	.....	1	.....
Eaton	105	Total	.....	31,225	2.12	662	662	.....	.....	.....	.....
		Males	51.13	16,072	2.10	338	338	.....	.....	.....	.....
		Females	48.87	15,153	2.13	323	323	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Emmet	109	Total	.....	6,639	2.08	138	95	.....	1	[c] 42	.....
		Males	52.17	3,544	2.03	72	47	.....	1	24	.....
		Females	47.83	3,095	2.13	66	48	.....	.....	18	.....
Genesee	116	Total	.....	39,220	1.76	689	685	1	1	.....	2
		Males	53.71	20,042	1.84	369	369	.....	.....	.....	.....
		Females	46.29	19,178	1.66	318	316	1	1	.....	.....
		Unknown	.....	.....	.....	2	.....	.....	.....	.....	2
Gladwin	133	Total	.....	1,127	1.24	14	14	.....	.....	.....	.....
		Males	57.14	749	1.07	8	8	.....	.....	.....	.....
		Females	42.86	378	1.59	6	6	.....	.....	.....	.....
G. Traverse[a]	113	Total	.....	7,768	1.84	143	143	.....	.....	.....	.....
		Males	53.15	4,235	1.79	76	76	.....	.....	.....	.....
		Females	46.85	3,533	1.90	67	67	.....	.....	.....	.....
Gratiot	101	Total	.....	21,936	2.14	470	469	1	.....	.....	.....
		Males	50.21	11,687	2.02	236	235	1	.....	.....	.....
		Females	49.79	10,249	2.28	234	234	.....	.....	.....	.....
Hillsdale	119	Total	.....	32,723	1.53	500	498	.....	.....	.....	2
		Males	54.40	16,544	1.64	272	270	.....	.....	.....	2
		Females	45.60	16,179	1.41	228	228	.....	.....	.....	.....

[a] For townships from which no returns of births were received, see Table XXI.
[b] 1 female "Half-breed."
[c] 2 males half Indian.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1880 Represented by Births in 1880.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1880. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Houghton	106	Total	.....	22,473	3.66	822	822	.....	.....	.....	.....
		Males	51.34	12,242	3.45	422	422	.....	.....	.....	.....
		Females	48.66	10,231	3.91	400	400	.....	.....	.....	.....
Huron	97	Total	.....	20,089	3.19	640	632	.....	.....	.....	[a] 8
		Males	49.29	10,714	2.92	313	311	.....	.....	.....	2
		Females	50.71	9,375	3.43	322	321	.....	.....	.....	1
		Unknown	.....	.....	.....	5	.....	.....	.....	.....	5
Ingham	111	Total	.....	33,676	1.43	481	480	1	.....	.....	.....
		Males	52.50	17,399	1.45	252	252	.....	.....	.....	.....
		Females	47.50	16,277	1.40	228	227	1	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Ionia	92	Total	.....	33,872	1.94	656	656	.....	.....	.....	.....
		Males	48.01	17,974	1.75	314	314	.....	.....	.....	.....
		Females	51.99	15,898	2.14	340	340	.....	.....	.....	.....
		Unknown	.....	.....	.....	2	2	.....	.....	.....	.....
Iosco [b]	176	Total	.....	6,610	1.54	102	102	.....	.....	.....	.....
		Males	63.73	3,964	1.64	65	65	.....	.....	.....	.....
		Females	36.27	2,646	1.40	37	37	.....	.....	.....	.....
Isabella	140	Total	.....	12,159	2.85	346	345	1	.....	.....	.....
		Males	58.38	6,602	3.06	202	202	.....	.....	.....	.....
		Females	41.62	5,557	2.59	144	143	1	.....	.....	.....
Isle Royal [c]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	99	Total	.....	42,031	1.72	722	715	6	.....	.....	1
		Males	49.65	21,833	1.64	358	355	3	.....	.....	.....
		Females	50.35	20,198	1.80	363	359	3	.....	.....	1
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Kalamazoo	103	Total	.....	34,342	1.66	571	566	[d] 5	.....	.....	.....
		Males	50.79	17,343	1.67	290	287	3	.....	.....	.....
		Females	49.21	16,999	1.65	281	279	2	.....	.....	.....
Kalkaska [b]	200	Total	.....	2,533	2.37	60	60	.....	.....	.....	.....
		Males	66.67	1,375	2.91	40	40	.....	.....	.....	.....
		Females	33.33	1,158	1.73	20	20	.....	.....	.....	.....

[a] 5 Unknown sex, quintuplets.
[b] For townships from which no returns of births were received, see Table XXI.
[c] No returns from county clerk to State Department.
[d] 2 males and 1 female "Colored."

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1880 Represented by Births in 1880.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1880. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Kent	111	Total	.....	73,253	2.32	1,698	1,685	7	5	.....	1
		Males	52.51	38,014	2.34	890	884	2	4	.....	.....
		Females	47.49	35,239	2.23	805	799	5	1	.....	.....
		Unknown	.....	.....	.....	3	2	.....	.....	.....	1
Keweenaw	153	Total	.....	4,270	5.46	233	233	.....	.....	.....	.....
		Males	60.52	2,396	5.88	141	141	.....	.....	.....	.....
		Females	39.48	1,874	4.91	92	92	.....	.....	.....	.....
Lake [a]	71	Total	.....	3,077	1.88	58	58	.....	.....	.....	.....
		Males	41.38	1,818	1.32	24	24	.....	.....	.....	.....
		Females	58.62	1,259	2.70	34	34	.....	.....	.....	.....
Lapeer	116	Total	.....	30,138	2.03	612	606	1	[b] 5	.....	.....
		Males	53.76	15,827	2.08	329	326	1	2	.....	.....
		Females	46.24	14,311	1,98	283	280	.....	3	.....	.....
Leelanaw	94	Total	.....	6,253	2.73	171	161	.....	.....	10	.....
		Males	48.54	3,388	2.45	83	77	.....	.....	6	.....
		Females	51.46	2,865	3.07	88	84	.....	.....	4	.....
Lenawee	97	Total	.....	48,343	1.57	761	754	3	4	.....	.....
		Males	49.28	24,281	1.54	375	370	3	2	.....	.....
		Females	50.72	24,062	1.60	386	384	.....	2	.....	.....
Livingston	83	Total	.....	22,251	1.64	366	365	[c] 1	.....	.....	.....
		Males	45.33	11,620	1.42	165	165	.....	.....	.....	.....
		Females	54.67	10,631	1.87	199	198	1	.....	.....	.....
		Unknown	.....	.....	.....	2	2	.....	.....	.....	.....
Mackinac [a]	144	Total	.....	2,468	2.47	61	34	.....	.....	[d] 27	.....
		Males	59.02	1,395	2.58	36	24	.....	.....	12	.....
		Females	40.98	1,073	2.33	25	10	.....	.....	15	.....
Macomb	109	Total	.....	31,627	1.97	624	623	.....	1	.....	.....
		Males	52.08	16,157	2.01	325	324	.....	1	.....	.....
		Females	47.92	15,470	1.93	299	299	.....	.....	.....	.....
Manistee	118	Total	.....	12,532	3.37	422	422	.....	.....	.....	.....
		Males	54.03	6,969	3.27	228	228	.....	.....	.....	.....
		Females	45.97	5,563	3.49	194	194	.....	.....	.....	.....

[a] For townships from which no returns of births were received, see Table XXI.
[b] 1 female "Octoroon."
[c] 1 female "Colored."
[d] 10 males and 12 females White and Indian.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1880 Represented by Births in 1880.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1880. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Manitou	50	Total	.....	1,334	1.80	24	24	.....	.....	.....	.....
		Males	33.33	718	1.11	8	8	.....	.....	.....	.....
		Females	66.67	616	2.60	16	16	.....	.....	.....	.....
Marquette*	114	Total	.....	24,644	3.00	740	740	.....	.....	.....	.....
		Males	53.38	14,320	2.76	395	395	.....	.....	.....	.....
		Females	46.62	10,324	3.34	345	345	.....	.....	.....	.....
Mason	138	Total	.....	10,065	1.82	183	178	.....	.....	5	.....
		Males	57.92	5,659	1.87	106	104	.....	.....	2	.....
		Females	42.08	4,406	1.75	77	74	.....	.....	3	.....
Mecosta	116	Total	.....	13,973	1.68	235	232	1	2	.....	.....
		Males	53.62	7,626	1.65	126	126	.....	.....	.....	.....
		Females	46.38	6,347	1.72	109	106	1	2	.....	.....
Menominee*	144	Total	.....	10,627	1.26	134	134	.....	.....	.....	.....
		Males	58.96	7,034	1.12	79	79	.....	.....	.....	.....
		Females	41.04	3,593	1.53	55	55	.....	.....	.....	.....
Midland	91	Total	.....	6,893	2 52	174	174	.....	.....	.....	.....
		Males	47.70	3,780	2.20	83	83	.....	.....	.....	.....
		Females	52.30	3,113	2.92	91	91	.....	.....	.....	.....
Missaukee	113	Total	.....	1,553	3.22	50	50	.....	.....	.....	.....
		Males	53.06	942	2.76	26	26	.....	.....	.....	.....
		Females	46.94	611	3.76	23	23	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Monroe	110	Total	.....	33,624	2.44	821	820	1	.....	.....	.....
		Males	52.38	17,250	2.49	430	429	1	.....	.....	.....
		Females	47.62	16,374	2.39	391	391	.....	.....	.....	.....
Montcalm*	114	Total	.....	31,166	1.96	612	531	.....	.....	.....	81
		Males	53.20	17,045	1.90	324	279	.....	.....	.....	45
		Females	46.80	14,121	2.02	285	251	.....	.....	.....	34
		Unknown	.....	.....	.....	3	1	.....	.....	.....	2
Muskegon	99	Total	.....	26,586	2.37	630	629	1	.....	.....	.....
		Males	49.76	14,784	2.12	313	312	1	.....	.....	.....
		Females	50 24	11,802	2.68	316	316	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Newaygo	97	Total	.....	14,688	1.57	231	231	.....	.....	.....	.....
		Males	49.35	8,376	1.36	114	114	.....	.....	.....	.....
		Females	50.65	6,312	1.85	117	117	.....	.....	.....	.....

* For townships from which no returns of births were received, see Table XXI.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1880 Represented by Births in 1880.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1880. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Oakland	109	Total	.....	41,537	1.37	568	562	4	1	.....	1
		Males	52.14	21,327	1.37	293	291	1	1	.....	.....
		Females	47.86	20,210	1.33	269	266	3	.....	.....	.....
		Unknown	.....	.....	.....	6	5	.....	.....	.....	1
Oceana	155	Total	.....	11,699	2.31	270	260	.....	.....	10	.....
		Males	60.74	6,444	2.55	164	157	.....	.....	7	.....
		Females	39.26	5,255	2.02	106	103	.....	.....	3	.....
Ogemaw	156	Total	.....	1,914	1.20	23	23	.....	.....	.....	.....
		Males	60.87	1,168	1.20	14	14	.....	.....	.....	.....
		Females	39.13	746	1.21	9	9	.....	.....	.....	.....
Ontonagon	144	Total	.....	2,565	2.38	61	61	.....	.....	.....	.....
		Males	59.02	1,335	2.70	36	36	.....	.....	.....	.....
		Females	40.98	1,230	2.03	25	25	.....	.....	.....	.....
Osceola	110	Total	.....	10,777	2.65	286	286	.....	.....	.....	.....
		Males	52.45	6,015	2.49	150	150	.....	.....	.....	.....
		Females	47.55	4,762	2.86	136	136	.....	.....	.....	.....
Oscoda	60	Total	.....	467	1.71	8	8	.....	.....	.....	.....
		Males	37.50	291	1.03	3	3	.....	.....	.....	.....
		Females	62.50	176	2.84	5	5	.....	.....	.....	.....
Otsego	283	Total	.....	1,974	1.57	31	31	.....	.....	.....	.....
		Males	74.19	1,137	2.02	23	23	.....	.....	.....	.....
		Females	25.81	837	.96	8	8	.....	.....	.....	.....
Ottawa	95	Total	.....	33,126	2.34	775	772	.....	.....	1	2
		Males	48.64	17,472	2.15	376	376	.....	.....	.....	.....
		Females	51.36	15,654	2.54	397	396	.....	.....	1	.....
		Unknown	.....	.....	.....	2	.....	.....	.....	.....	2
Presque Isle	126	Total	.....	3,113	4.75	148	147	.....	.....	.....	1
		Males	55.78	1,701	4.82	82	82	.....	.....	.....	.....
		Females	44.22	1,412	4.60	65	65	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1
Roscommon	113	Total	.....	1,459	1.17	17	17	.....	.....	.....	.....
		Males	52.94	1,096	.82	9	9	.....	.....	.....	.....
		Females	47.06	363	2.20	8	8	.....	.....	.....	.....
Saginaw[a]	118	Total	.....	57,451	2.39	1,375	1,363	11	.....	1	.....
		Males	54.08	30,902	2.40	743	740	2	.....	1	.....
		Females	45.92	26,549	2.38	631	622	9	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....

[a] For townships from which no returns of births were received, see Table XXI.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1880 Represented by Births in 1880.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR.—CHILDREN BORN IN 1880. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Sanilac	108	Total	.....	26,341	2.80	738	737	1	.....	.....	.....
		Males	51.90	14,023	2.73	383	382	1	.....	.....	.....
		Females	48.10	12,318	2.88	355	355	.....	.....	.....	.....
Schoolcraft[a]	40	Total	.....	885	2.37	21	21	.....	.....	.....	.....
		Males	28.57	550	1.09	6	6	.....	.....	.....	.....
		Females	71.43	335	4.48	15	15	.....	.....	.....	.....
Shiawassee	115	Total	.....	27,059	1.70	461	459	.....	.....	.....	2
		Males	53.51	14,248	1.71	244	244	.....	.....	.....	.....
		Females	46.49	12,811	1.65	212	212	.....	.....	.....	.....
		Unknown	.....	.....	.....	5	3	.....	.....	.....	2
St. Clair	112	Total	.....	46,197	1.95	900	900	.....	.....	.....	.....
		Males	52.74	23,922	1.97	472	472	.....	.....	.....	.....
		Females	47.26	22,275	189	423	423	.....	.....	.....	.....
		Unknown	.....	.....	.....	5	5	.....	.....	.....	.....
St. Joseph	94	Total	.....	26,626	1.58	420	420	.....	.....	.....	.....
		Males	48.57	13,516	1.51	204	204	.....	.....	.....	.....
		Females	51.43	13,110	1.65	216	216	.....	.....	.....	.....
Tuscola	103	Total	.....	25,738	2.09	537	537	.....	.....	.....	.....
		Males	50.65	13,644	1.99	272	272	.....	.....	.....	.....
		Females	49.35	12,094	2.19	265	265	.....	.....	.....	.....
Van Buren	80	Total	.....	30,807	1.70	525	522	1	2	.....	.....
		Males	44.38	15,757	1.48	233	232	.....	1	.....	.....
		Females	55.62	15,050	1.94	292	290	1	1	.....	.....
Washtenaw	108	Total	.....	41,848	1.47	614	601	12	1	.....	.....
		Males	51.88	21,250	1.50	318	314	3	1	.....	.....
		Females	48.12	20,598	1.43	295	286	9	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Wayne	114	Total	.....	166,444	3.14	5,227	5,166	46	15	.....	.....
		Males	53.17	82,917	3.35	2,779	2,745	28	6	.....	.....
		Females	46.83	83,527	2.93	2,448	2,421	18	9	.....	.....
Wexford[a]	107	Total	.....	6,644	3.42	227	226	.....	.....	.....	1
		Males	51.77	3,818	3.06	117	117	.....	.....	.....	.....
		Females	48.23	2,826	3.86	109	109	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1

[a] For townships from which no returns of births were received, see Table XXI.

The proportion of children who were born of native and foreign-born parents is shown in Table VII. According to the evidence 46.07 per cent. of all the children born in Michigan during the year 1880, were born of parents who were both native-born, and 33.92 per cent. were born of parents who were both foreign-born. The interest in this table would be very much increased if the number of native and foreign-born inhabitants at the child-bearing or middle ages could be ascertained, but at the present time these statistics cannot be ascertained from the U. S. Census.

TABLE VII.—*Exhibiting, by Sex, by Number, and by Per Cent. of Total, the Parent-Nativity of Children Born in Michigan during the Year 1880, according to the Returns.*

NATIVITY OF PARENTS OF CHILDREN BORN, 1880.	TOTAL BIRTHS, 1880.							
	NUMBER.				PER CENT. OF TOTAL.			
	Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Unk.
All Nativities	35,323	18,373	16,888	62	100.00	100.00	100.00	100.00
Both Parents Native	16,274	8,406	7,838	30	46.07	45.75	46.41	48.39
Both Parents Foreign	11,982	6,234	5,737	11	33.92	33.93	33.97	17.74
Foreign Father and Native Mother	3,967	2,137	1,827	3	11.23	11.63	10.82	4.84
Foreign Mother and Native Father	2,058	1,073	979	6	5.83	5.84	5.80	9.68
Unknown Mother, Father Native	136	59	76	1	.39	.32	.45	1.61
Unknown Mother, Father Foreign	68	31	36	1	.19	.17	.21	1.61
Unknown Father, Mother Native	195	84	110	1	.55	.46	.65	1.61
Unknown Father, Mother Foreign	75	37	38	.....	.21	.20	.23	.....
Both Unknown	568	312	247	9	1.61	1.70	1.46	14.52
One or Both Native	22,630	11,759	10,830	41	64.07	64.00	64.13	66.13
One or Both Foreign	18,150	9,512	8,617	21	51.38	51.77	51.02	33.87

In Exhibit F the comparison, relative to the parent-nativity of children born in Michigan, is carried through a series of years; the sex, however, is not given as in Table VII. The average per cent. of children who were born of native-born parents for the 10 years 1871–1880 is 45.41; while the average per cent. of children born of foreign-born parents for the same period of years is 34.21. This shows the year 1880 to be a little above the average as regards the children of native-born parents. By tracing the exhibit through the different years, it will be observed that the births of foreign-born parentage maintain about an even ratio, while the births of mixed parentage are progressively increasing. If the births of native and foreign-born parents are compared with the inhabitants of the same nativity, it will be seen that in a population of 1,248,429 persons native-born, there were, in 1880, 16,274 children born; while in a population of 388,508 persons foreign-born, there were, during the same year, 11,982 children born. According to these figures the birth-

rate among the native-born in Michigan in 1880 was 13.00 per 1,000, or one child born to every 77 persons; while the birth-rate among the foreign-born in Michigan in 1880, was 31.25 per 1,000, or one child born to every 32 persons.

When any attempt is made to compare the statistics here set forth, it is necessary to bear in mind certain facts, that among the foreign-born a much larger proportion than of the native inhabitants are of the middle or child-bearing ages; that if all the children born of foreign-born parents in the State were classed with the foreign population this contrast between the birth-rates would greatly disappear.

EXHIBIT F.—*Parent-Nativity of Children returned as having been Born in Michigan during each of the Years 1875 to 1880, inclusive.*

NATIVITY OF PARENTS OF CHILDREN BORN.	1875.		1876.		1877.		1878.		1879.		1880.	
	Number.	Per Cent. of Total.	Number.	Per Cent. of Total.	Number.	Per Cent. of Total.	Number.	Per Cent. of Total.	Number.	Per Cent. of Total.	Number.	Per Cent. of Total.
All Nativities	31,958	100.00	34,235	100.00	33,395	100.00	35,162	100.00	34,122	100.00	35,323	100.00
Both Parents Native	14,226	44.51	15,551	45.42	15,270	45.73	16,323	46.42	15,864	46.49	16,274	46.07
Both Parents Foreign	11,120	34.80	11,901	34.76	11,557	34.61	11,992	34.10	11,369	33.32	11,982	33.92
Foreign Father and Native Mother	3,246	10.16	3,587	10.48	3,635	10.88	3,861	10.98	3,956	11.59	3,967	11.23
Foreign Mother and Native Father	1,727	5.40	1,868	5.46	1,948	5.83	1,956	5.56	2,039	5.98	2,058	5.83
One or Both Unknown	1,639	5.13	1,328	3.88	985	2.95	1,030	2.93	894	2.62	1,042	2.95
One or Both Parents Native [a]	19,199	60.08	21,006	61.36	20,853	62.44	22,140	62.97	21,839	64.06	22,630	64.07
One or Both Parents Foreign [a]	16,093	50.36	17,356	50.70	17,140	51.33	17,809	50.65	17,364	50.89	18,150	51.38
Father — Native	16,309	51.03	17,703	51.71	17,392	52.08	18,489	52.58	18,045	52.88	18,468	52.28
Father — Foreign	14,812	46.35	15,721	45.92	15,313	45.85	15,981	45.45	15,397	45.12	16,017	45.34
Father — Unknown	837	2.62	811	2.37	690	2.07	692	1.97	680	1.99	838	2.37
Mother — Native	17,686	55.34	19,347	56.51	19,098	57.19	20,389	57.99	20,024	58.68	20,436	57.85
Mother — Foreign	12,961	40.56	13,853	40.46	13,599	40.72	14,032	39.91	13,492	39.54	14,115	39.96
Mother — Unknown	1,311	4.10	1,035	3.02	698	2.09	741	2.11	606	1.78	772	2.19

[a] Excluding cases where nativity of either parent is unknown.

Table VIII. shows the nativity of the parents of children born in Michigan in 1880 for the State and also for each county in the State. The number of births, the nativity of whose parents was returned as unknown, was 568, of which number Menominee has 52, Saginaw 71, and Wayne 243.

TABLE VIII.—*Exhibiting, for the State and Counties of Michigan, by Sex, the Total Number of Children Born during the Year 1880, and the Parent-Nativity of such Children, so far as stated in the Returns. (Still-births included.)*

STATE AND COUNTIES.	SEX.	Children Born, 1880.	NATIVITY OF PARENTS OF CHILDREN BORN,—1880.[a] Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Native.	Mother Unk. Father. Foreign.	Father Unk. Mother. Native.	Father Unk. Mother. Foreign.	Both Unknown.
State[b]	Total	35,323	16,274	11,982	3,967	2,058	136	[c] 68	[d] 195	75	[e] 568
	Males	18,373	8,406	6,234	2,137	1,073	59	31	84	37	312
	Females	16,888	7,838	5,737	1,827	979	76	36	110	38	247
	Unknown	62	30	11	3	6	1	1	1	.....	9
Alcona	Total	32	6	16	5	5	.....	.....	.....	.....	.....
	Males	14	2	5	4	3	.....	.....	.....	.....	.....
	Females	18	4	11	1	2	.....	.....	.....	.....	.....
Allegan	Total	821	490	172	106	39	5	2	2	1	4
	Males	425	249	94	60	20	1	.....	.....	1	.....
	Females	396	241	78	46	19	4	2	2	.....	4
Alpena	Total	261	26	181	36	15	.....	1	1	.....	1
	Males	133	13	95	14	10	.....	.....	.....	.....	1
	Females	127	13	85	22	5	.....	1	1	.....	.....
	Unknown	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Antrim	Total	128	54	46	23	4	.....	.....	1	.....	.....
	Males	71	26	29	13	3	.....	.....	.....	.....	.....
	Females	57	28	17	10	1	.....	.....	1	.....	.....
Baraga	Total	51	19	28	4	.....	.....	.....	.....	.....	.....
	Males	33	13	17	3	.....	.....	.....	.....	.....	.....
	Females	18	6	11	1	.....	.....	.....	.....	.....	.....
Barry	Total	524	436	19	48	19	1	.....	.....	.....	1
	Males	247	201	7	26	11	1	.....	.....	.....	1
	Females	277	235	12	22	8	.....	.....	.....	.....	.....
Bay	Total	1,077	253	560	156	96	.....	.....	6	4	2
	Males	586	132	306	87	53	.....	.....	5	2	1
	Females	491	121	254	69	43	.....	.....	1	2	1
Benzie	Total	88	51	20	11	6	.....	.....	.....	.....	.....
	Males	46	25	13	6	2	.....	.....	.....	.....	.....
	Females	39	26	6	4	3	.....	.....	.....	.....	.....
	Unknown	3	.....	[illegible]	1	1	.....	.....	.....	.....	.....

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] For counties and townships from which no returns of births were received, see Table XXI.
[c] 1 female, mother "America."
[d] 1 male and 1 female, father "America."
[e] 2 males and 2 females "America," and 1 female, father "America."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1880.	NATIVITY OF PARENTS OF CHILDREN BORN,—1880.[a]								
			Both Native	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK. Father.		FATHER UNK. Mother.		Both Unknown.
							Na-tive.	For-eign.	Na-tive.	For-eign.	
Berrien	Total	640	426	105	75	27	1	.....	4	.....	2
	Males	354	243	55	40	10	1	.....	4	.....	1
	Females	285	182	50	35	17	.....	.....	.....	.....	1
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Branch	Total	467	388	32	28	13	.....	.....	4	.....	2
	Males	239	193	21	16	6	.....	.....	3	.....	.....
	Females	227	195	11	12	7	.....	.....	1	.....	1
	Unknown	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Calhoun	Total	557	398	61	46	21	1	.....	4	.....	26
	Males	285	201	33	23	11	1	.....	1	.....	15
	Females	263	192	28	23	10	.....	.....	3	.....	7
	Unknown	9	5	.....	.....	.....	.....	.....	.....	.....	4
Cass	Total	468	387	25	24	11	14	1	5	.....	1
	Males	242	202	13	12	5	5	1	3	.....	1
	Females	225	184	12	12	6	9	.....	2	.....	.....
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Charlevoix	Total	127	57	38	20	9	.....	.....	1	.....	2
	Males	63	27	21	9	4	.....	.....	.....	.....	2
	Females	64	30	17	11	5	.....	.....	1	.....	.....
Cheboygan	Total	191	57	84	30	18	.....	.....	.....	.....	2
	Males	103	32	47	14	8	.....	.....	.....	.....	2
	Females	88	25	37	16	10	.....	.....	.....	.....	.....
Chippewa	Total	63	15	31	11	5	.....	.....	1	1	2
	Males	35	7	14	7	2	.....	.....	.....	1	2
	Females	32	8	17	5	1	.....	.....	1	.....	.....
Clare	Total	62	31	11	8	4	3	2	.....	.....	.....
	Males	31	18	4	4	2	2	1	.....	.....	.....
	Females	30	13	7	5	1	3	1	.....	.....	.....
	Unknown	1	.....	.....	.....	1	.....	.....	.....	.....	.....
Clinton	Total	481	334	64	60	12	2	.....	2	1	1
	Males	226	158	36	28	6	2	.....	1	1	1
	Females	254	176	28	32	6	.....	.....	1	.....	.....
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America," are omitted, with the "Unknown."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1880.	NATIVITY OF PARENTS OF CHILDREN BORN,—1880.[a] Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Native.	Mother Unk. Father. Foreign.	Father Unk. Mother. Native.	Father Unk. Mother. Foreign.	Both Unknown.
Crawford	Total	27	14	8	1	3	.....	.....	.....	1	.....
	Males	19	10	7	.....	1	.....	.....	.....	1	.....
	Females	8	4	1	1	2	.....	.....	.....	.....	.....
Delta	Total	168	15	120	17	4	1	1	[b] 2	.....	[c] 8
	Males	75	8	47	11	2	1	.....	1	.....	5
	Females	93	7	73	6	2	.....	1	1	.....	3
Eaton	Total	662	555	27	48	25	1	1	1	1	3
	Males	338	275	18	25	17	.....	.....	1	.....	2
	Females	323	279	9	23	8	1	1	.....	1	1
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Emmet	Total	138	86	20	7	8	5	.....	4	.....	8
	Males	72	48	9	4	4	2	.....	1	.....	4
	Females	66	38	11	3	4	3	.....	3	.....	4
Genesee	Total	689	476	81	76	44	4	1	2	.....	5
	Males	369	256	40	42	25	3	.....	1	.....	2
	Females	318	220	41	34	19	1	1	1	.....	1
	Unknown	2	.....	.....	.....	.....	.....	.....	.....	.....	2
Gladwin	Total	14	3	7	.....	3	.....	.....	.....	.....	1
	Males	8	2	4	.....	1	.....	.....	.....	.....	1
	Females	6	1	3	.....	2	.....	.....	.....	.....	.....
Grand Traverse	Total	143	68	37	25	12	.....	.....	.....	1	.....
	Males	76	38	20	11	6	.....	.....	.....	1	.....
	Females	67	30	17	14	6	.....	.....	.....	.....	.....
Gratiot	Total	470	345	38	54	27	3	1	.....	1	1
	Males	236	179	18	24	14	.....	.....	.....	.....	1
	Females	234	166	20	30	13	3	1	.....	1	.....
Hillsdale	Total	500	452	17	19	7	2	.....	2	.....	1
	Males	272	246	7	11	3	2	.....	2	.....	1
	Females	228	206	10	8	4	.....	.....	.....	.....	.....
Houghton	Total	822	55	627	115	21	.....	1	1	.....	2
	Males	422	32	314	65	10	.....	.....	.....	.....	1
	Females	400	23	313	50	11	.....	1	1	.....	1

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] 1 male and 1 female, father "America."
[c] 2 males and 2 females "America," and 1 female, father "America."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1880.	NATIVITY OF PARENTS OF CHILDREN BORN,—1880.[a]								
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK. Father.		FATHER UNK. Mother.		Both Unknown.
							Native.	Foreign.	Native.	Foreign.	
Huron	Total	640	76	417	88	48	2	3	2	2	2
	Males	313	39	199	47	23	.....	2	.....	2	1
	Females	322	32	218	41	25	2	1	2	.....	1
	Unknown	5	5	.....	.....	.....	.....	.....	.....	.....	.....
Ingham	Total	481	364	32	48	24	2	3	1	.....	7
	Males	252	192	19	25	11	.....	2	.....	.....	3
	Females	228	172	13	23	13	2	1	1	.....	4
	Unknown	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Ionia	Total	656	465	67	78	41	1	1	2	.....	1
	Males	314	222	42	32	16	1	1	.....	.....	.....
	Females	340	241	25	46	25	.....	.....	2	.....	1
	Unknown	2	2	.....	.....	.....	.....	.....	.....	.....	.....
Iosco	Total	102	19	57	19	6	.....	.....	1	.....	.....
	Males	65	12	39	12	2	.....	.....	.....	.....	.....
	Females	37	7	18	7	4	.....	.....	1	.....	.....
Isabella	Total	346	215	62	41	21	1	2	2	.....	2
	Males	202	125	34	25	14	1	1	1	.....	1
	Females	144	90	28	16	7	.....	1	1	.....	1
Isle Royal[b]		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	Total	732	465	145	63	38	6	1	2	1	1
	Males	358	223	77	34	21	2	1	.....	.....	.....
	Females	363	241	68	29	17	4	.....	2	1	1
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Kalamazoo	Total	571	395	85	39	23	11	1	4	.....	13
	Males	290	203	39	21	12	7	.....	1	.....	7
	Females	281	192	46	18	11	4	1	3	.....	6
Kalkaska	Total	60	35	11	7	6	.....	.....	.....	.....	1
	Males	40	25	6	4	5	.....	.....	.....	.....	.....
	Females	20	10	5	3	1	.....	.....	.....	.....	1
Kent	Total	1,698	775	602	182	113	1	2	13	2	8
	Males	890	418	290	105	62	.....	2	7	.....	6
	Females	805	354	312	77	51	1	.....	6	2	2
	Unknown	3	3	.....	.....	.....	.....	.....	.....	.....	.....

[a] "Native" includes only those born in [illegible] [illegible]thplace was returned as "America" were compil[illegible]
[b] No returns from county clerk.

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1880.	NATIVITY OF PARENTS OF CHILDREN BORN,—1880.[a]								
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Native.	Mother Unk. Father. Foreign.	Father Unk. Mother. Native.	Father Unk. Mother. Foreign.	Both Unknown.
Keweenaw	Total	233	8	187	34	3	.....	.....	1	.....	.....
	Males	141	8	114	16	2	.....	.....	1	.....	.....
	Females	92	.....	73	18	1	.....	.....	.....	.....	.....
Lake	Total	58	38	13	4	2	.....	.....	.....	.....	1
	Males	24	14	7	2	.....	.....	.....	.....	.....	1
	Females	34	24	6	2	2	.....	.....	.....	.....	.....
Lapeer	Total	612	240	198	100	70	.....	.....	2	.....	2
	Males	329	130	111	49	37	.....	.....	1	.....	1
	Females	283	110	87	51	33	.....	.....	1	.....	1
Leelanaw	Total	171	38	86	26	12	1	1	1	1	5
	Males	83	24	34	14	7	1	1	.....	1	1
	Females	88	14	52	12	5	.....	.....	1	.....	4
Lenawee	Total	761	529	126	53	26	13	3	6	1	4
	Males	375	263	66	24	13	6	1	1	.....	1
	Females	386	266	60	29	13	7	2	5	1	3
Livingston	Total	366	286	24	36	17	2	.....	.....	.....	1
	Males	165	133	5	21	6	.....	.....	.....	.....	.....
	Females	199	151	19	15	11	2	.....	.....	.....	1
	Unknown	2	2	.....	.....	.....	.....	.....	.....	.....	.....
Mackinac	Total	61	50	3	2	1	.....	.....	1	.....	4
	Males	36	27	3	1	.....	.....	.....	1	.....	4
	Females	25	23	.....	1	1	.....	.....	.....	.....	.....
Macomb	Total	624	271	202	90	59	.....	.....	2	.....	.....
	Males	325	140	104	47	34	.....	.....	.....	.....	.....
	Females	299	131	98	43	25	.....	.....	2	.....	.....
Manistee	Total	422	63	280	52	25	.....	.....	1	.....	1
	Males	228	36	151	31	10	.....	.....	.....	.....	.....
	Females	194	27	129	21	15	.....	.....	1	.....	1
Manitou	Total	24	4	17	2	1	.....	.....	.....	.....	.....
	Males	8	1	6	.....	1	.....	.....	.....	.....	.....
	Females	16	3	11	2	.....	.....	.....	.....	.....	.....
	Total	740	64	632	28	13	.....	.....	.....	2	1
	Males	395	35	335	15	9	.....	.....	.....	.....	1
		345	29	297	13	4	.....	.....	.....	2	.....

[a] ...se born in the United States. Those cases in which the birthplace ...re compiled with the "Unknown."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1880.	NATIVITY OF PARENTS OF CHILDREN BORN,—1880.[a] Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Native.	Mother Unk. Father. Foreign.	Father Unk. Mother. Native.	Father Unk. Mother. Foreign.	Both Unknown.
Mason	Total	183	83	51	29	14	.....	1	1	1	3
	Males	106	49	27	18	9	.....	.....	.....	1	2
	Females	77	34	24	11	5	.....	1	1	.....	1
Mecosta	Total	235	127	65	27	15	.....	.....	.....	.....	1
	Males	126	61	40	17	7	.....	.....	.....	.....	1
	Females	109	66	25	10	8	.....	.....	.....	.....	.....
Menominee	Total	134	15	55	10	2	.....	.....	.....	.....	52
	Males	79	8	33	7	1	.....	.....	.....	.....	30
	Females	55	7	22	3	1	.....	.....	.....	.....	22
Midland	Total	174	89	54	21	9	.....	1	.....	.....	.....
	Males	83	42	29	10	2	.....	.....	.....	.....	.....
	Females	91	47	25	11	7	.....	1	.....	.....	.....
Missaukee	Total	50	19	15	5	7	.....	2	.....	.....	2
	Males	26	9	8	3	6	.....	.....	.....	.....	.....
	Females	23	10	7	2	1	.....	1	.....	.....	2
	Unknown	1	.....	.....	.....	.....	.....	1	.....	.....	.....
Monroe	Total	821	570	118	87	37	1	.....	5	.....	3
	Males	430	297	59	47	24	.....	.....	2	.....	1
	Females	391	273	59	40	13	1	.....	3	.....	2
Montcalm	Total	612	381	112	66	42	2	1	2	.....	6
	Males	324	211	53	34	20	1	1	2	.....	2
	Females	285	169	59	32	20	1	.....	.....	.....	4
	Unknown	3	1	.....	.....	2	.....	.....	.....	.....	.....
Muskegon	Total	630	209	338	51	28	1	.....	1	.....	2
	Males	313	108	164	26	13	.....	.....	.....	.....	2
	Females	316	101	174	25	15	1	.....	.....	.....	.....
	Unknown	1	.....	.....	.....	.....	.....	.....	1	.....	.....
Newaygo	Total	231	143	36	34	13	2	.....	2	.....	1
	Males	114	76	16	15	5	2	.....	.....	.....	.....
	Females	117	67	20	19	8	.....	.....	2	.....	1
Oakland	Total	568	356	72	57	35	14	9	8	.....	18
	Males	293	187	35	29	19	7	[illegible]	[illegible]	[illegible]	11
	Females	269	167	37	[illegible]	15	[illegible]	[illegible]	[illegible]	[illegible]	7
	Unknown	6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

a "Native" includes only those b[illegible] was returned as "America" were c[illegible]

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1886.	NATIVITY OF PARENTS OF CHILDREN BORN,—1880.[a]								
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Na-tive.	Mother Unk. Father. For-eign.	Father Unk. Mother. Na-tive.	Father Unk. Mother. For-eign.	Both Unknown.
Oceana	Total	270	191	36	21	18	1	.....	2	.....	1
	Males	164	117	19	13	11	1	.....	2	.....	1
	Females	106	74	17	8	7	.....	.....	.....	.....	.....
Ogemaw	Total	23	14	6	2	1	.....	.....	.....	.....	.....
	Males	14		2	2	1	.....	.....	.....	.....	.....
	Females	9	5	4	.....	.....	.....	.....	.....	.....	.....
Ontonagon	Total	61	12	31	12	5	.....	1	.....	.....	.....
	Males	36	8	13	9	2	.....	1	.....	.....	.....
	Females	25	4	15	3	3	.....	.....	.....	.....	.....
Osceola	Total	286	135	91	33	24	.....	.....	2	.....	1
	Males	150	70	46	18	14	.....	.....	1	.....	1
	Females	136	65	45	15	10	.....	.....	1	.....	.....
Oscoda	Total	8	6	1	1	.....	.....	.....	.....	.....	.....
	Males	3	3	.....	.....	.....	.....	.....	.....	.....	.....
	Females	5	3	1	1	.....	.....	.....	.....	.....	.....
Otsego	Total	31	17	9	4	1	.....	.....	.....	.....	.....
	Males	23	15	5	2	1	.....	.....	.....	.....	.....
	Females	8	2	4	2	.....	.....	.....	.....	.....	.....
Ottawa	Total	775	357	285	77	43	3	3	2	.....	5
	Males	376	171	142	38	20	1	1	.....	.....	3
	Females	397	185	142	39	23	2	2	2	.....	2
	Unknown	2	1	1	.....	.....	.....	.....	.....	.....	.....
Presque Isle	Total	148	3	135	4	2	1	2	.....	1	.....
	Males	82	2	73	3	2	1	2	.....	.....	1
	Females	65	1	61	1	.....	.....	2	.....	.....	.....
	Unknown	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Roscommon	Total	17	8	5	1	.....	.....	.....	.....	.....	3
	Males	9	3	3	1	.....	.....	.....	.....	.....	2
	Females	8	5	2	.....	.....	.....	.....	.....	.....	1
	Total	1,375	434	552	180	123	1	7	5	2	71
	Males	743	228	294	107	63	.....	4	2	1	44
		631	206	257	73	60	1	3	3	1	27
		1	.....	1	.....	.....	.....	.....	.....	.....	.....

orn in the United States. Those cases in which the birthplace ompiled with the "Unknown."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1880.	NATIVITY OF PARENTS OF CHILDREN BORN,—1880.[a]								
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK. Father. Native.	MOTHER UNK. Father. Foreign.	FATHER UNK. Mother. Native.	FATHER UNK. Mother. Foreign.	Both Unknown.
Sanilac	Total	738	72	464	128	69	.....	.....	3	1	1
	Males	383	36	241	71	34	.....	.....	1	.....	.....
	Females	355	36	223	57	35	.....	.....	2	1	1
Schoolcraft	Total	21	11	6	3	1	.....	.....	.....	.....	.....
	Males	6	5	1	.....	.....	.....	.....	.....	.....	.....
	Females	15	6	5	3	1	.....	.....	.....	.....	.....
Shiawassee	Total	461	291	67	51	31	4	[b] 5	5	.....	7
	Males	244	161	36	21	18	1	1	3	.....	3
	Females	212	128	30	30	12	3	4	2	.....	3
	Unknown	5	2	1	.....	1	.....	.....	.....	.....	1
St. Clair	Total	900	231	429	136	91	2	1	3	.....	7
	Males	472	105	235	74	50	.....	1	3	.....	4
	Females	423	125	191	62	41	2	.....	.....	.....	2
	Unknown	5	1	3	.....	.....	.....	.....	.....	.....	1
St. Joseph	Total	420	330	56	22	8	.....	.....	1	.....	3
	Males	204	163	26	10	4	.....	.....	1	.....	.....
	Females	216	167	30	12	4	.....	.....	.....	.....	3
Tuscola	Total	537	230	161	76	65	1	.....	4	.....	.....
	Males	272	120	73	46	31	.....	.....	2	.....	.....
	Females	265	110	88	30	34	1	.....	2	.....	.....
Van Buren	Total	525	402	33	50	28	6	.....	5	1	.....
	Males	233	173	18	23	15	1	.....	3	.....	.....
	Females	292	229	15	27	13	5	.....	2	1	.....
Washtenaw	Total	614	322	145	83	44	2	2	8	4	4
	Males	318	165	75	45	25	2	2	4	.....	.....
	Females	295	157	69	38	19	.....	.....	4	4	4
	Unknown	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Wayne	Total	5,227	1,195	2,777	626	281	4	3	53	45	243
	Males	2,779	627	1,476	349	144	3	3	21	24	132
	Females	2,448	568	1,301	277	137	1	.....	32	21	111
Wexford	Total	227	124	56	23	11	4	2	2	.....	5
	Males	117	71	24	14	5	.....	1	.....	.....	2
	Females	109	52	32	9	6	4	1	2	.....	3
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....

[a] "Native" includes only those born in the United States. Those cases in which the "
was returned as "America" were compiled with the "Unk-
[b] 1 female, mother "America."

TWIN CHILDREN, 1880.

The number of twin children returned for the year 1880 was 716, of which 341 were males, and 375 were females. More females were returned than males, there being only 91 males to 100 females. The number of pairs of twins is 358, which is the smallest number reported as having been born in this State since 1872. The order of the years 1870–1880, the one having the least number first, is 1871, 298; 1870, 339; 1872, 342; 1880, 358; 1877, 367; 1875, 370; 1879, 402; 1874, 408; 1873, 420; 1878, 427; 1876, 428. The average number for the eleven years is 378, showing the year 1880 to be somewhat less than an average one as regards the number of pairs of twins. In Table IX. the number of twin children and the number of pairs of twins are arranged in order by months, those having the greatest number first. The months of December, October, and July head the list in the order named; while the months of January, February, and May have the least number.

TABLE IX.—*Exhibiting, by Sex, the Number of Pairs of Twins, and the Number of Twin Children Returned as having been Born in Michigan during the Year 1880, by Months Arranged in Order by Number; also, by Pairs and by Individuals, the Number of Males to 100 Females.*

	YEAR AND MONTHS, 1880.	Number of Twin Children, 1880.				Number of Pairs of Twins, 1880.					
		Total.	Males.	Females.	Males to 100 Females.	Total.	Males.	Females.	One of each Sex.	Males to 100 One of each Sex.	Males to 100 Females.
	Year, 1880	716	341	375	91	358	105	122	131	80	86
More than the Av. No. of Twins.	December	94	44	50	88	47	14	17	16	88	82
	October	72	31	41	76	36	10	15	11	91	67
	July	68	33	35	94	34	12	13	9	133	92
	April	64	36	28	129	32	13	9	10	130	144
	September	64	31	33	94	32	9	10	13	69	90
	November	64	31	33	94	32	8	9	15	53	89
	August	60	21	39	54	30	6	15	9	67	40
	Average per month	59.7	28.4	31.3	91	29.8	8.8	10.2	10.9	81	86
Less than the Av. No. of Twins.	March	54	27	27	100	27	5	5	17	29	100
	June	50	29	21	138	25	9	5	11	82	180
	January	46	18	28	64	23	6	11	6	100	55
	February	46	26	20	130	23	8	5	10	80	160
	May	34	14	20	70	17	5	8	4	125	63

An opportunity is afforded in Table X. of studying the relative proportion of plurality births among the native and foreign-born parents in Michigan during the year 1880. The evidence in Table X. shows that 46.37 per cent. of the number of twins were born of parents who were both

native-born, and 37.71 per cent. were born of parents who were both foreign-born. By comparing Table X. with Table VII. it will be observed that the proportion of foreign-born parents is greater for twins than for total births, and of native-born parents the proportion is larger, but not so marked as in the foreign-born. These proportions are nearly the same as those for previous years, and seem to show that the larger twin birth-rate is among the foreign population.

Exhibit 5 on page 43, also shows that the proportion of twin births is greater among the foreign-born, and the same is true for every year since 1870, with the exceptions of 1876 and 1879. In those two years the greater proportion was among the native-born. It is also interesting to study Table VII. with Table XI. on page 43. Of all children born in 1880, the proportion of mixed parentage was as follows: "Foreign Father and Native Mother," 11.23 per cent.; "Foreign Mother and Native Father," 5.83 per cent. Of all twins born in 1880, the proportion of mixed parentage was: "Foreign Father and Native Mother," 10.34 per cent.; "Foreign Mother and Native Father," 4.19 per cent. Table XI. also shows that about 59 per cent. of the twins born in Michigan in 1880, were from parents who were natives of the same state or country.

TABLE X.—*Parent-Nativity of Twins Returned as having been Born in Michigan during the Year 1880.*

NATIVITY OF PARENTS OF TWINS, 1880.	PAIRS OF TWINS, 1880.							
	NUMBER.				PER CENT. OF EACH PARENT-NATIVITY TO TOTAL OF ALL NATIVITIES.			
	Total.	Males.	Females.	One of Each Sex.	Total.	Males.	Females.	One of Each Sex.
All Nativities	358	105	122	131	100.00	100.00	100.00	100.00
Both Native	166	42	61	63	46.37	40.00	50.00	48.09
Both Foreign	135	41	45	49	37.71	39.05	36.89	37.40
Foreign Father and Native Mother	37	15	13	9	10.34	14.29	10.66	6.87
Foreign Mother and Native Father	15	6	2	7	4.19	5.71	1.64	5.34
Unknown Mother, Father Native	.....	.....	.....	.....	.....	.....	.....	.....
Unknown Mother, Father Foreign	1	1	.....	.....	.28	.95	.....	.....
Unknown Father, Mother Native	2	.....	1	1	.56	.....	.82	.76
Unknown Father, Mother Foreign	.....	.....	.....	.....	.....	.....	.....	.....
Both Unknown	2	.....	.....	2	.56	.....	.....	1.53
One or Both Native	220	63	77	80	61.45	60.00	63.11	61.07
One or Both Foreign	188	63	60	65	52.51	60.00	49.18	49.62

EXHIBIT 5.—*By Nativity and by Color of Mothers, the Number and Proportion of Twin Births Returned as having occurred in Michigan during the Years 1878 to 1880, inclusive.*

NATIVITY AND COLOR OF MOTHERS OF TWINS.	1878.			1879.			1880.		
	Pairs of Twins.	Whole Number of Mothers, Including those of Twins.	Per Ct. of Births of Twins to all Mothers.	Pairs of Twins.	Whole Number of Mothers, Including those of Twins.	Per Ct. of Births of Twins to all Mothers.	Pairs of Twins.	Whole Number of Mothers, Including those of Twins.	Per Ct. of Births of Twins to all Mothers.
Mothers of all Colors and all Nativities	427	34,729	1.23	402	33,716	1.19	358	34,953	1.02
All Native Mothers	242	20,143	1.20	247	19,777	1.25	205	20,223	1.01
All Foreign Mothers	173	13,857	1.25	150	13,338	1.12	150	13,961	1.07
Mothers of Unknown Nativities	12	729	1.65	5	601	.83	3	769	.39
White	420	34,290	1.22	400	33,325	1.20	351	34,497	1.02
Black	2	123	1.63	1	132	.76	2	127	1.57
Mulatto	4	77	5.19	1	95	1.05	1	72	1.39
Indian	1	159	.63	.....	122	.....	4	146	2.74
Unknown	.....	80	.....	.....	42	.....	.....	111	.....
Black and Mulatto	6	200	3.00	2	227	.88	3	199	1.51

TABLE XI.—*Parent-Nativity of Twins Returned as having been Born in Michigan during the Year 1880,—distinguishing between Parents who were Natives of the same State and those Born in Different States or Countries.*

NATIVITY OF PARENTS OF TWINS, 1880.	PAIRS OF TWINS, 1880.							
	NUMBER.				PER CENT. OF EACH PARENT-NATIVITY TO TOTAL OF ALL NATIVITIES.			
	Total.	Males.	Females.	One of Each Sex.	Total.	Males.	Females.	One of Each Sex.
All Nativities	358	105	122	131	100.00	100.00	100.00	100.00
Same American State or Foreign Country	211	65	67	79	58.94	61.90	54.92	60.31
Different American States or Foreign Countries	90	18	39	33	25.14	17.14	31.96	25.19
Foreign Father and Native Mother	37	15	13	9	10.34	14.29	10.66	6.87
Foreign Mother and Native Father	15	6	2	7	4.19	5.71	1.64	5.34
Unknown Mother, Father Native	.....	.....	.....	.....	.....	.....	.....	.....
Unknown Mother, Father Foreign	1	1	.....	.....	.28	.95	.....	.....
Unknown Father, Mother Native	2	.....	1	1	.56	.....	.82	.76
Unknown Father, Mother Foreign	.....	.....	.....	.....	.....	.....	.....	.....
[illegible]	2	.....	.....	2	.56	.....	.....	1.53
[illegible]	142	39	54	49	39.66	37.14	44.30	37.40

[illegible]n States or Foreign Countries," "Foreign Father and Native [illegible] and Native Father." Compare with "Same American State or [illegible] lines in Table XV.,—for still-born children.

TABLE XII.—*Exhibiting, for the State and Counties, by Sex, the number of Pairs of Twins, the Number of Twin Children, and the Nativity of Parents of Twins Returned as having been Born in Michigan during the Year 1880. Nativity stated by Pairs of Twins.*

State and Counties.	Sex.	Number of Individuals.	Number of Pairs of Twins.	Nativity of Parents of Twins, 1880:[a] Native. Both Parents from Same State.	Native. From Different States.	Foreign. Both from Same Country.	Foreign. From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Native.	Mother Unk. Father. Foreign.	Father Unk. Mother. Native.	Father Unk. Mother. Foreign.	Both Unknown.
State	Total	716	358	94	72	117	18	37	15	----	1	2	----	2
	Males	341	105	[b] 31	11	[c] 34	[d] 7	[e] 15	[f] 6	----	1	----	----	--
	Females	375	122	[g] 30	[h] 31	[i] 37	8	[j] 13	2	----	----	[k] 1	----	--
	One of each	------	131	[l] 33	[m] 30	[n] 46	3	[o] 9	7	----	----	[c] 1	----	[p] 2
Allegan	Total	18	9	3	4	1	------	1	----	----	----	----	----	--
	Males	14	6	[c] 3	3	------	------	----	----	----	----	----	----	--
	Females	4	1	------	------	1	------	----	----	----	----	----	----	--
	One of each	------	2	------	1	------	------	1	----	----	----	----	----	--
Alpena	Total	10	5	1	------	4	------	----	----	----	----	----	----	--
	Males	7	3	1	------	2	------	----	----	----	----	----	----	--
	Females	3	1	------	------	1	------	----	----	----	----	----	----	--
	One of each	------	1	------	------	1	------	----	----	----	----	----	----	--
Antrim	Total	6	3	------	1	2	------	----	----	----	----	----	----	--
	Males	5	2	------	------	2	------	----	----	----	----	----	----	--
	Females	1	------	------	------	------	------	----	----	----	----	----	----	--
	One of each	------	1	------	1	------	------	----	----	----	----	----	----	--
Barry	Total	16	8	5	3	------	------	----	----	----	----	----	----	--
	Males	6	1	1	------	------	------	----	----	----	----	----	----	--
	Females	10	3	1	2	------	------	----	----	----	----	----	----	--
	One of each	------	4	3	[q] 1	------	------	----	----	----	----	----	----	--
Bay	Total	18	9	1	2	2	------	4	----	----	----	----	----	--
	Males	10	3	1	------	1	------	1	----	----	----	----	----	--
	Females	8	2	------	------	1	------	1	----	----	----	----	----	--
	One of each	------	4	------	2	------	------	2	----	----	----	----	----	--
Benzie	Males	2	1	------	------	------	------	1	----	----	----	----	----	--

[a] See foot-note [a] to Table VIII.
[b] 2 pairs and 4 males still-born.
[c] 1 pair illegitimate still-born, and 1 male still-born.
[d] 1 pair illegitimate.
[e] 2 pairs still-born.
[f] 1 male still-born.
[g] 1 pair and 2 females still-born, 1 pair Indian and 1 pair White and Indian.
[h] 2 females still-born.
[i] 1 pair and 1 female still-born.
[j] 1 pair White and Indian.
[k] 1 pair Black.
[l] 1 pair and 2 males still-born, 1 pair Mulatto, and 1 pair White and Indian.
[m] 1 female still-born and 1 pair Black.
[n] 1 pair, 1 male, and 1 female still-born.
[o] 1 pair still-born.
[p] 1 pair still-born and 1 pair "America."
[q] 1 female still-born.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY OF PARENTS OF TWINS, 1880.[a]										
				NATIVE.		FOREIGN.				MOTHER UNK.		FATHER UNK.		
										Father.		Mother.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Berrien	Total	6	3	2	.....	1	.....	.....	.....	.....	.....	.....	.....	..
	Males	3	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	Females	3	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	..
Branch	Females	4	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	..
Calhoun	Total	10	5	3	1	1	.....	.....	.....	.....	.....	.....	.....	..
	Males	5	2	[b] 2	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	Females	5	2	.....	1	1	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
Cass	Total	6	3	1	1	.....	.....	1	.....	.....	.....	.....	.....	..
	Males	3	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	..
	Females	3	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	..
	One of each	.....	1	[c] 1	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
Charlevoix	Total	6	3	1	1	1	.....	.....	.....	.....	.....	.....	.....	..
	Males	3	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	..
	Females	3	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	..
Cheboygan	Total	8	4	1	1	1	.....	1	.....	.....	.....	.....	.....	..
	Males	3	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	..
	Females	5	2	.....	.....	1	.....	1	.....	.....	.....	.....	.....	..
	One of each	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
Chippewa	Total	6	3	1	.....	1	.....	1	.....	.....	.....	.....	.....	..
	Males	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	Females	4	1	.....	.....	.....	.....	[d] 1	.....	.....	.....	.....	.....	..
	One of each	.....	2	[d] 1	.....	1	.....	.....	.....	.....	.....	.....	.....	..
Clinton	Total	10	5	2	1	1	.....	1	.....	.....	.....	.....	.....	..
	Males	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	Females	7	2	.....	.....	1	.....	1	.....	.....	.....	.....	.....	..
	One of each	.....	3	2	1	.....	.....	.....	.....	.....	.....	.....	.....	..
Delta	Total	6	3	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	1
	Males	5	2	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	..
	Females	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[e] 1

[a] See foot-note [a] to Table VIII.
[b] 2 males still-born.
[c] 1 pair "America."
[d] 1 pair White and Indian.
[e] 1 pair Mulatto.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	Nativity of Parents of Twins, 1880.[a]											
				Native.		Foreign.		Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk.		Father Unk.		Both Unknown.
										Father.		Mother.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.			Native.	Foreign.	Native.	Foreign.	
Eaton	Total	14	7	1	5	.....	.....	1	....	....	....	....	....	..
	Males	7	2	.....	1	.....	.....	1	....	....	....	....	....	..
	Females	7	2	.....	2	.....	.....	....	....	....	....	....	....	..
	One of each	.....	3	1	2	.....	.....	....	....	....	....	....	....	..
Emmet	Males	2	1	1	.....	.....	.....	....	....	....	....	....	....	..
Genesee	Total	10	5	.....	4	.....	1	....	....	....	....	....	....	..
	Males	5	2	.....	1	.....	1	....	....	....	....	....	....	..
	Females	5	2	.....	2	.....	.....	....	....	....	....	....	....	..
	One of each	.....	1	.....	1	.....	.....	....	....	....	....	....	....	..
Grand Traverse	Total	4	2	1	.....	1	.....	....	....	....	....	....	....	..
	Males	2	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	Females	2	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	2	1	.....	1	.....	....	....	....	....	....	....	..
Gratiot	Total	16	8	1	2	2	.....	2	1	....	....	....	....	..
	Males	6	2	.....	.....	1	.....	....	1	....	....	....	....	..
	Females	10	4	1	1	.....	.....	2	....	....	....	....	....	..
	One of each	.....	2	.....	1	[b] 1	.....	....	....	....	....	....	....	..
Hillsdale	Total	18	9	4	4	1	.....	....	....	....	....	....	....	..
	Males	10	4	3	1	.....	.....	....	....	....	....	....	....	..
	Females	8	3	1	2	.....	.....	....	....	....	....	....	....	..
	One of each	.....	2	.....	1	1	.....	....	....	....	....	....	....	..
Houghton	Total	16	8	.....	.....	6	1	....	1	....	....	....	....	..
	Males	8	1	.....	.....	.....	.....	....	1	....	....	....	....	..
	Females	8	1	.....	.....	1	.....	....	....	....	....	....	....	..
	One of each	.....	6	.....	.....	5	1	....	....	....	....	....	....	..
Huron	Total	16	8	.....	1	2	3	....	2	....	....	....	....	..
	Males	7	2	.....	.....	1	1	....	....	....	....	....	....	..
	Females	9	3	.....	.....	.....	2	....	1	....	....	....	....	..
	One of each	.....	3	.....	1	1	.....	....	1	....	....	....	....	..
Ingham	Total	12	6	2	2	.....	.....	2	....	....	....	....	....	..
	Males	4	1	1	.....	.....	.....	....	....	....	....	....	....	..
	Females	8	3	.....	2	.....	.....	1	....	....	....	....	....	..
	One of each	.....	2	1	.....	.....	.....	1	....	....	....	....	....	..

[a] See foot-note [a] to Table VIII.
[b] 1 female still-born.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY OF PARENTS OF TWINS, 1880.[a]											
				NATIVE.		FOREIGN.				MOTHER UNK.		FATHER UNK.		
										Father.		Mother.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Ionia	Total	12	6	1	4	------	------	1	----	----	----	----	----	--
	Males	2	------	------	------	------	------	----	----	----	----	----	----	--
	Females	10	4	------	[b] 3	------	------	1	----	----	----	----	----	--
	One of each	------	2	1	1	------	------	----	----	----	----	----	----	--
Isabella	Total	6	3	1	2	------	------	----	----	----	----	----	----	--
	Males	2	1	------	1	------	------	----	----	----	----	----	----	--
	Females	4	2	1	1	------	------	----	----	----	----	----	----	--
Jackson	Total	16	8	4	2	------	1	----	----	----	----	1	----	--
	Males	2	------	------	------	------	------	----	----	----	----	----	----	--
	Females	14	6	3	[b] 1	------	1	----	----	----	----	[c] 1	----	--
	One of each	------	2	[d] 1	1	------	------	----	----	----	----	----	----	--
Kalamazoo	Males	2	1	------	1	------	------	----	----	----	----	----	----	--
Kent	Total	32	16	5	2	8	------	----	1	----	----	----	----	--
	Males	19	7	3	------	4	------	----	----	----	----	----	----	--
	Females	13	4	2	1	1	------	----	----	----	----	----	----	--
	One of each	------	5	------	[e] 1	3	------	----	1	----	----	----	----	--
Keweenaw	Total	4	2	------	------	2	------	----	----	----	----	----	----	--
	Males	1	------	------	------	------	------	----	----	----	----	----	----	--
	Females	3	1	------	------	[b] 1	------	----	----	----	----	----	----	--
	One of each	------	1	------	------	1	------	----	----	----	----	----	----	--
Lapeer	Total	10	5	------	2	1	------	1	1	----	----	----	----	--
	Males	6	1	------	------	------	------	1	----	----	----	----	----	--
	Females	4	------	------	------	------	------	----	----	----	----	----	----	--
	One of each	------	4	------	2	1	------	----	1	----	----	----	----	--
Leelanaw	Females	2	1	------	1	------	------	----	----	----	----	----	----	--
Lenawee	Total	22	11	3	3	3	1	1	----	----	----	----	----	--
	Males	8	2	[e] 1	------	[d] 1	------	----	----	----	----	----	----	--
	Females	14	5	2	1	1	------	1	----	----	----	----	----	--
	One of each	------	4	------	2	1	1	----	----	----	----	----	----	--

[a] See foot-note [a] to Table VIII.
[b] 1 female still-born.
[c] 1 pair Black.
[d] 1 male still-born.
[e] 1 pair still-born.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY OF PARENTS OF TWINS, 1880.[a]										
				NATIVE.		FOREIGN.				MOTHER UNK.		FATHER UNK.		
										Father.		Mother.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Livingston	Total	8	4	1	1			[b] 2						
	Males	6	2	1				1						
	Females	2												
	One of each		2		1			1						
Mackinac	Females	4	2	[b] 2										
Macomb	Total	12	6	2		1	2		1					
	Males	8	4	1			2		1					
	Females	4	2	[c] 1		1								
Manistee	Males	4	2	1				[c] 1						
Marquette	Total	20	10		1	7	2							
	Males	11	4			3	[d] 1							
	Females	9	3		1	1	1							
	One of each		3			[e] 3								
Mason	Males	4	2	1	1									
Mecosta	Males	2	1			1								
Midland	Total	4	2	1			1							
	Males	2	1	1										
	Females	2	1				1							
Monroe	Total	22	11	8	2				1					
	Males	9	2	1					1					
	Females	13	4	2	2									
	One of each		5	[f] 5										
Montcalm	Total	14	7	3	1	3								
	Males	7	2	1		1								
	Females	7	2		1	1								
	One of each		3	2		1								
Muskegon	Females	4	2			1	1							
Newaygo	Total	4	2	1		1								
	Males	2	1			1								
	Females	1												
	One of each		1	1										

a See foot-note a to Table VIII.
b 1 pair Indian, and 1 pair White each Twins.
c 1 pair still-born.
d 1 pair illegitimate.
e 1 pair and 1 male still-born.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY OF PARENTS OF TWINS, 1880.[a]											
				NATIVE.		FOREIGN.		Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		Both Unknown.
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.			Father.		Mother.		
										Native.	Foreign.	Native.	Foreign.	
Oakland	Total	16	8	2	3	1	1	1	----	----	----	----	----	--
	Males	11	4	2	------	------	1	1	----	----	----	----	----	--
	Females	5	1	------	1	------	------	----	----	----	----	----	----	--
	One of each	------	3	------	2	1	------	----	----	----	----	----	----	--
Oceana	Total	4	2	1	1	------	------	----	----	----	----	----	----	--
	Males	2	------	------	------	------	------	----	----	----	----	----	----	--
	Females	2	------	------	------	------	------	----	----	----	----	----	----	--
	One of each	------	2	1	1	------	------	----	----	----	----	----	----	--
Ontonagon	Total	4	2	------	------	2	------	----	----	----	----	----	----	--
	Males	2	1	------	------	[b] 1	------	----	----	----	----	----	----	--
	Females	2	1	------	------	[b] 1	------	----	----	----	----	----	----	--
Osceola	Total	8	4	------	------	1	------	1	2	----	----	----	----	--
	Males	3	1	------	------	------	------	----	[c] 1	----	----	----	----	--
	Females	5	2	------	------	1	------	1	----	----	----	----	----	--
	One of each	------	1	------	------	------	------	----	1	----	----	----	----	--
Ottawa	Total	16	8	3	1	3	------	1	----	----	----	----	----	--
	Males	5	------	------	------	------	------	----	----	----	----	----	----	--
	Females	11	3	1	------	1	------	1	----	----	----	----	----	--
	One of each	------	5	2	1	2	------	----	----	----	----	----	----	--
Presque Isle	Total	4	2	------	------	2	------	----	----	----	----	----	----	--
	Males	3	1	------	------	1	------	----	----	----	----	----	----	--
	Females	1	------	------	------	------	------	----	----	----	----	----	----	--
	One of each	------	1	------	------	1	------	----	----	----	----	----	----	--
Saginaw	Total	22	11	3	1	5	------	----	----	----	1	----	----	1
	Males	9	2	------	------	1	------	----	----	----	1	----	----	--
	Females	13	4	2	------	2	------	----	----	----	----	----	----	--
	One of each	------	5	1	1	2	------	----	----	----	----	----	----	[b] 1
Sanilac	Total	4	2	------	------	1	1	----	----	----	----	----	----	--
	Males	1	------	------	------	------	------	----	----	----	----	----	----	--
	Females	3	1	------	------	------	1	----	----	----	----	----	----	--
	One of each	------	1	------	------	1	------	----	----	----	----	----	----	--

[a] See foot-note [a] to Table VIII.
[b] 1 pair still-born.
[c] 1 male still-born.

TABLE XII.—Continued.—*Parent-Nativity of Twins.*

Counties.	Sex.	Number of Individuals.	Number of Pairs of Twins.	Nativity of Parents of Twins, 1880.[a]										
				Native.		Foreign.				Mother Unk. Father.		Father Unk. Mother.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
St. Clair	Total	14	7	.....	.....	5	1	....	1	....	....	....	....	..
	Males	5	1	.....	.....	.....	.....	....	1	....	....	....	....	..
	Females	9	3	.....	.....	2	1	....	....	....	....	....	....	..
	One of each	.....	3	.....	.....	[b] 3	.....	....	....	....	....	....	....	..
St. Joseph	Total	6	3	.....	3	.....	.....	....	....	....	....	....	....	..
	Males	1	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	Females	5	2	.....	2	.....	.....	....	....	....	....	....	....	..
	One of each	.....	1	.....	1	.....	.....	....	....	....	....	....	....	..
Tuscola	Total	18	9	1	1	2	.....	3	1	....	....	1	....	..
	Males	12	5	1	.....	1	.....	[c] 3	....	....	....	....	....	..
	Females	6	2	.....	1	1	.....	....	....	....	....	....	....	..
	One of each	.....	2	.....	.....	.....	.....	....	1	....	....	[d] 1	....	..
Van Buren	Total	8	4	.....	1	1	.....	1	1	....	....	....	....	..
	Males	3	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	Females	5	1	.....	1	.....	.....	....	....	....	....	....	....	..
	One of each	.....	3	.....	.....	1	.....	[c] 1	1	....	....	....	....	..
Washtenaw	Total	10	5	1	1	2	.....	1	....	....	....	....	....	..
	Males	3	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	Females	7	2	.....	.....	2	.....	....	....	....	....	....	....	..
	One of each	.....	3	1	1	.....	.....	1	....	....	....	....	....	..
Wayne	Total	130	65	15	3	35	2	8	2	....	....	....	....	..
	Males	60	18	[b] 3	.....	9	1	5	....	....	....	....	....	..
	Females	70	23	[e] 7	1	13	.....	1	1	....	....	....	....	..
	One of each	.....	24	5	2	13	1	2	1	....	....	....	....	..
Wexford	Total	4	2	2	.....	.....	.....	....	....	....	....	....	....	..
	Males	1	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	Females	3	1	1	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	1	1	.....	.....	.....	....	....	....	....	....	....	..

[a] See foot-note [a] to Table VIII.
[b] 1 male still-born.
[c] 1 pair still-born.
[d] 1 pair illegitimate.
[e] 2 females still-born.

TABLE XIII.—*Occupations of Fathers of Twins Born in Michigan during the Year 1880, according to the Returns.*

OCCUPATIONS.	Number of Each.	OCCUPATIONS.	Number of Each.
ALL OCCUPATIONS	358	Laborers	76
		Lawyers	1
Agents	1	Light-house Keepers	1
Barbers	1	Machinists	4
Bar-tenders	1	Marshals	1
Blacksmiths	6	Masons	2
Boarding-house Keepers	2	Mechanics	2
Broom-makers	1	Merchants	6
Butchers	1	Millers	1
Cabinet-makers	1	Mill-men	1
Carpenters	9	Miners	8
Carpenters and Joiners	1	Moulders	2
Cigar-makers	1	Mule-spinning	1
Civil Engineers	1	Nursery	1
Clerks	5	Painters	3
Coachmen	1	Paper-makers	1
Constables	1	Peddlers	1
Coopers	2	Physicians	1
Dairymen	1	Picture-frame Dealers	1
Draymen	1	Policemen	1
Engineers	3	Printers	3
Farmers	165	R. R. Men	1
Farm Laborers	1	Sailors	1
Finishers	1	Salesmen	1
Firemen	1	Shoe-makers	5
Fishermen	1	Teachers	1
Foremen	1	Teamsters	3
Foremen in Mills	2	Telegraph Operators	1
Gardeners	1	Tinsmiths	1
Gilders	1	Unknown	3
Grain Dealers	1	Wagon-makers	2
Grocers	2	Wagon-manufacturers	1
Heaters	1	Watch-makers	1
Judges of Probate	1		

TRIPLET CHILDREN, 1880.

In the year 1880 four sets of triplets were returned to the State Department, and one set of quintuplets. Of the four triplet cases, one, including 1 male and 2 females, was returned from Barry county; a second, of 1 male and 2 females, was returned from Houghton county; a third, of 3 females, was returned from Leelanaw county; and a fourth, of 3 females, was returned from St. Joseph county. Two sets were of native parentage, and two of foreign parentage. Three of the four sets were born in the fall months, one in September, and two in October. The set of quintuplets was returned from Huron county, and is the only one of the kind ever reported in Michigan. In 1873 there was a set of quartettes from Alpena county.

TABLE XIX.—*Exhibiting certain Details concerning Triplet Children Returned as having been born in Michigan during the Year 1880.*

COUNTIES.	TRIPLET CHILDREN, 1880.					PARENTS OF TRIPLETS, 1880.		
	Month of Birth, 1880.	Color.	SEX.			Birthplace of Father.	Birthplace of Mother.	Occupation of Father.
			Males.	Females.	Unk.			
Barry	Dec.	White	1	2	.....	Penn.	Ohio	Miller
Houghton	Oct.	White	1	2	.....	Germany	Germany	Miner
Leelanaw	Oct.	White	.....	3	.....	Norway	Norway	Farmer
St. Joseph	Sept.	White	.....	3	.....	Penn.	Penn.	Miller
QUINTUPLETS.								
Huron	Dec.	Unkno'n	.....	.....	5	New York.	Maine	Carpenter.

STILL-BIRTHS, 1880.

The number of still-born children returned for the year 1880 was seven hundred and thirty-eight (738), being 11 less than the number reported for 1879. Since the year 1870 the number of still-births in Michigan has been progressively increasing to and including the year 1878. In the year 1879 the number decreased and also in 1880. The average number of still-born children for the nine years 1872–1880 is 599. The largest per cent. of still-births to total births for the nine years 1872–1880 occurs for the year 1878, being 2.26, while the average per cent. for the same period of years is 1.79. According to Exhibit 7 a larger proportion of the foreign-born mothers than of the native bore still-born children in 1880, and the same is true for every year except 1873, when the per cent. was the same for native and foreign-born mothers.

From the evidence in Exhibit 7, it appears that a much larger proportion of the black and mulatto mothers bear still-born children than the mothers of any other color. No doubt many still-births are not reported, but every still-birth should be returned both as a birth and as a death.

EXHIBIT 6.—*The Relation of Still-births to all Children Returned as having been Born in Michigan during the several Years 1872 to 1880, inclusive, and of the Mothers of Still-born Children to all Mothers Returned as having Borne Children during each of the Years 1872 to 1880, inclusive.*

CHILDREN AND MOTHERS.	TOTAL BIRTHS AND STILL-BIRTHS.								
	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.
All Children born	27,993	34,608	31,151	31,958	34,235	33,395	35,162	34,122	35,323
Still-born Children	a 301	a 348	464	629	646	720	793	749	738
Per Cent. of Still-born to Total	1.08	1.01	1.49	1.97	1.89	2.15	2.26	2.20	2.09
All Mothers	27,641	34,180	30,739	31,586	33,791	33,028	34,729	33,716	34,953
Mothers of Still-born Children	a 293	a 333	454	613	620	697	765	723	723
Per Cent. of Mothers of Still-born Children to All Mothers	1.06	.97	1.48	1.94	1.83	2.11	2.20	2.14	2.07

a As per returns of births.

EXHIBIT 7.—*By Nativity and Color, the Number and Proportion of Mothers having Still-births in Michigan during the Years 1878, 1879, and 1880, according to the Returns.*

NATIVITY AND COLOR OF MOTHERS.	1878.			1879.			1880.		
	Mothers having Still-births.	Whole No. of Moth'rs, including those of Still-births.	Per Cent. of Mothers of Still-births to all Moth'rs.	Mothers having Still-births.	Whole No. of Moth'rs, including those of Still-births.	Per Cent. of Mothers of Still-births to all Moth'rs.	Mothers having Still-births.	Whole No. of Moth'rs, including those of Still-births.	Per Cent. of Mothers of Still-births to all Moth'rs.
Mothers of all colors and all nativities	765	34,729	2.20	723	33,716	2.14	723	34,953	2.07
All native mothers	358	20,143	1.78	367	19,777	1.86	371	20,223	1.83
All foreign mothers	321	13,857	2.32	280	13,338	2.10	285	13,961	2.04
Mothers of unknown nativities	86	729	11.80	76	601	12.65	67	769	8.71
White	747	34,290	2.18	706	33,325	2.12	706	34,497	2.05
Black	3	123	2.44	4	132	3.03	4	127	3.15
Mulatto	4	77	5.19	2	95	2.11	3	72	4.17
Indian	.....	159	.....	1	122	.82	.....	146	.....
Unknown	11	80	13.75	10	42	23.81	10	111	9.01
Black and Mulatto	7	200	3.50	6	227	2.64	7	199	3.52

ns of fathers of still-born children can be seen in Exhibit 11. and miners are in a large majority,—all occu- labor. As this is true, not only for one year, it would seem to indicate that the labor and classes may have some influence upon their

EXHIBIT 11.—*Occupations of Fathers of Still-born Children in Michigan in 1880, according to the Returns.*

FATHERS.	CHILDREN.			FATHERS.	CHILDREN.		
OCCUPATIONS.	Males.	Females.	Unk.	OCCUPATIONS.	Males.	Females.	Unk.
Bakers	4	1	------	Mill-wrights	1	------	------
Barbers	------	1	------	Miscellaneous	1	------	------
Blacksmiths	7	------	------	Miners	10	10	------
Boiler-makers	1	------	------	Moulders	------	1	------
Brewers	------	1	------	Nurserymen	1	1	------
Butchers	2	------	------	Painters	2	2	------
Cabinet-makers	2	------	------	Physicians	------	2	------
Carpenters	14	4	6	Plumbers	------	2	------
Carriage-trimmers	------	1	------	Policemen	2	------	------
Cigar-makers	2	2	------	Printers	1	------	------
Clerks	4	1	1	Prison-keepers	------	1	------
Collar-makers	------	1	------	Rabbi	1	------	------
Collectors of Customs	1	------	------	R. R. Agents	3	------	------
Constables	------	1	------	R. R. Men	------	2	------
Cooks	2	------	------	Retired Merchants	1	------	------
Coopers	5	2	------	Roughers	1	------	------
Dentists	------	1	------	Sailors	2	2	------
Ditchers	1	------	------	Salesmen	1	------	------
Draymen	1	------	------	Saloon-keepers	2	2	------
Engineers	1	1	------	Salt-makers	------	1	------
Express Messengers	1	------	------	Sawyers	1	------	------
Farmers	168	146	14	Seedsmen	1	------	------
Fishermen	------	1	------	Ship-carpenters	------	1	------
Fur Dealers	1	------	------	Shoe-makers	2	4	1
Grain Buyers	------	1	------	Smelters	1	1	------
Grocers	2	1	------	Speculators	1	------	------
Hack-drivers	1	------	------	Stave-cutters	1	------	------
Harness-makers	2	------	------	Stenographers	1	------	------
Jewelers	2	------	------	Stock-raisers	------	------	1
Joiners	1	------	------	Stone-masons	------	------	1
Laborers	79	58	6	Switchmen	1	------	------
Last-makers	1	------	------	Tailors	1	------	------
Lawyers	1	1	------	Teachers	2	3	------
Lumbermen	4	------	------	Teamsters	3	2	------
Machinists	3	2	1	Traveling Agents	1	------	------
Masons	1	1	------	Unknown	40	27	3
Merchants	2	5	------	Wagon-makers	------	2	------
Millers	1	1	------	Well-diggers	------	1	
Mill-owners	1	------	------				

Table XIV. shows the sex of the still-births in Michigan, by months, for the year 1880, and also the nativity of the parents of still-births. As is usually the case, more still-births occur among the males than among the females. One reason assigned for this is the fact that the males being larger, are, therefore, more exposed to dangers.

—*Exhibiting, by Sex, the Parent-Nativity, and by Sex and by Months, the Number of Still-births in Michigan during the Year 1880, according to the Returns.*

		Months, 1880.													Nativity of Parents of Still-births, 1880.															
															Parents Born in Michigan.		Native.			Foreign.						Mother Unk.		Father Unk.		
																										Father.		Mother.		
	1880.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Father.	Mother.	Total.	Same State.	Different States.	Total.	Same Country.	Different Countries.	Unknown.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Total	a 738	40	71	58	64	46	50	57	65	55	58	80	94	----	167	231	299	182	117	245	213	32	---	75	39	1	4	8	4	63
Males	403	24	44	37	39	21	31	29	27	27	23	42	59	----	90	129	156	101	55	138	120	18	---	44	19	1	2	5	2	36
Females	301	15	24	21	23	23	17	25	34	24	31	36	28	----	70	90	122	71	51	100	87	13	---	30	18	----	1	3	2	25
Unknown	34	1	3	----	2	2	2	3	4	4	4	2	7	----	7	12	21	10	11	7	6	1	---	1	2	----	1	----	----	2

a Includes 5 pairs, 6 half pairs male twins, 2 pairs, 5 half pairs female twins and 4 pairs 3 males and 2 females, one of each sex; 2 males and 2 females Black, 1 male and 2 females Mulatto, and 1 male and 13 unknown sex, unknown color; 7 males and 4 females illegitimates, and 1 set of quintuplets.

The evidence given in Table XV. affords an interesting study of the parent-nativity of still-born children returned as having been born in Michigan during the year 1880; 53.52 per cent. of the parents were natives of the same state or country; and 33.20 per cent. were foreign-born, while 40.51 per cent. were native-born.

TABLE XV.—*Parent-Nativity of Still-born Children,—Exhibiting, by Sex, the Number and Per Cent. of Total Number Returned as having been Born in Michigan during the Year 1880, of Parents who were Natives of the Same and of Different States or Countries.*

NATIVITY OF PARENTS OF STILL-BORN CHILDREN, 1880.	STILL-BORN CHILDREN, 1880.							
	NUMBER.				PR. CT. OF EACH PARENT-NATIVITY TO TOTAL OF ALL NATIVITIES.			
	Total.	Males.	Females.	Unkno'n.	Total.	Males.	Females.	Unknown.
All Nativities	738	403	301	34	100.00	100.00	100.00	100.00
Same American State or Foreign Country	395	221	158	16	53.52	54.84	52.49	47.06
Different American States or Foreign Countries	149	73	64	12	20.19	18.11	21.26	35.29
Foreign Father and Native Mother	75	44	30	1	10.16	10.92	9.97	2.94
Foreign Mother and Native Father	39	19	18	2	5.28	4.71	5.98	5.88
Unknown Mother, Father Native	1	1	.....	.....	.14	.25	.....	.....
Unknown Mother, Father Foreign	4	2	1	1	.54	.50	.33	2.94
Unknown Father, Mother Native	8	5	3	.....	1.08	1.24	1.00	.....
Unknown Father, Mother Foreign	4	2	2	.....	.54	.50	.66	.....
Both unknown	63	36	25	2	8.54	8.93	8.31	5.88
Different States or Countries	263	136	112	15	35.64	33.75	37.21	44.12
Native	299	156	122	21	40.51	38.71	40.53	61.76
Foreign	245	138	100	7	33.20	34.24	33.22	20.59

ILLEGITIMATE CHILDREN, 1880.

More illegitimate children were returned as having been born in Michigan for the year 1880 than has been recorded for any year since the registration began. The average annual number for the 13 years 1868–1880 is 233, which shows that the year 1880 is far above an average one. The average per cent. of illegitimate children to all children born for the same period of years is .74, and the per cent. for 1880 is 1.20. The number of mothers who bore children out of wedlock during the year 1880, according to the returns of births, is 423, which is 1.21 per cent. of all mothers.

The nativity and color of mothers of illegitimate children is given in Exhibit 9. As usual, the statistics in regard to these births are very incomplete, it being almost impossible to obtain such records. The per cent. of mothers of illegitimates to all mothers in 1880, is greatest among the Indian

mothers, it being 4.79, which fact is true for every year except 1876. For the Mulatto it is 4.17 per cent., for the Black, 3.15 per cent., while the per cent. for the White mothers is only 1.18.

Table XVI. shows the sex of illegitimate children, by months, and the nativity of the parents of such births. The greatest number appears for March and the smallest for June.

Some very valuable evidence on this subject is contained in Table XVII., where the illegitimate birth-rate among the different races is shown for the year 1880. The largest per cent. of births out of wedlock to population for 1880 appears for the Indians, next for the Black and Mulatto, and the smallest for the White inhabitants.

So far as the parentage was recorded for the year 1880, as seen in Table XVIII., 148 children were born of native-born mothers out of wedlock to 73 born of foreign-born mothers. When the difference in the number of inhabitants of native and foreign-born is taken into consideration, the proportion is much larger among the foreign-born mothers.

EXHIBIT 8.—*The Relation of the Illegitimate Children to All Children Returned as having been Born during the several Years 1875 to 1880, inclusive, and of Mothers of Illegitimates to All Mothers Returned as having Borne Children in Michigan during each of the Years 1875 to 1880, inclusive.*

CHILDREN AND MOTHERS.	TOTAL BIRTHS AND ILLEGITIMATES.					
	1875.	1876.	1877.	1878.	1879.	1880.
All Children born	31,958	34,235	33,595	35,162	34,122	35,323
Illegitimate Children	193	266	316	* 202	292	425
Per Cent. of Illegitimates to Total	.60	.78	.95	.57	.86	1.20
All Mothers	31,586	33,791	33,028	34,729	33,716	34,953
Mothers of Illegitimate Children	192	262	312	* 202	289	423
Per Cent. of Mothers of Illegitimates to All Mothers	.61	.78	.94	.58	.86	1.21

* The number of illegitimates returned for Wayne county for 1878 is probably too small by about 70 births. Heretofore the children born in the "Foundlings' Home," in the ninth ward of Detroit, have generally been returned as illegitimate; but we are unable to get any such statement for 1878, although there is no doubt that those children whose fathers' names are reported "Unknown" (the mothers' names being given), in the said ninth ward, are illegitimate.

TABLE XVI.—*Exhibiting, by Sex, the Total Number, Number by Months, and the Nativity of Parents of Illegitimate Children Born in Michigan, during the Year ending December 31, 1880, according to the Returns.*

Sex.	Year, 1880.	Months, 1880.													Nativity of Mothers of Illegitimate Children, 1880.							Nativity of Fathers of Illegitimate Children, 1880.						
															Native.			Foreign.				Native.			Foreign.			
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Total.	Born in Michigan.	Born in Other States.	Total.	Born in Canada.	Born in Other Countries.	Unknown.	Total.	Born in Michigan.	Born in Other States.	Total.	Born in Canada.	Born in Other Countries.	Unknown.
Total.....	*425	39	29	47	36	26	24	44	35	40	40	33	32	....	148	105	43	73	41	32	204	42	31	11	27	14	13	356
Males....	216	28	11	23	16	10	12	24	23	22	17	15	15	....	64	44	20	38	20	18	114	24	18	6	13	7	6	179
Females..	207	11	18	24	20	15	12	20	12	17	23	18	17	....	82	59	23	35	21	14	90	17	12	5	14	7	7	176
Unknown	2	....	....	....	....	1	....	...	....	1	....	....	....	....	2	2	....	....	....	....	....	1	1	....	....	....	....	1

* Includes 7 males and 4 females still-born; 1 pair male twins, and 1 pair one of each sex; 2 males and 2 females Black; 1 male and 2 females Mulatto; 2 males, 4 females Indian, 1 male White and Indian; and 1 male color unknown.

TABLE XVII.—*Exhibiting, by Color and by Sex, the Population June 1, 1880, the Number of Illegitimate Children Returned as having been Born in Michigan during the Year 1880, the Per Cent. of such Children to Inhabitants, the Per Cent. of each Sex to the Total of both Sexes, and the Number of Inhabitants to each Illegitimate Child Reported.*

COLOR OR RACE.	SEX.	Population June 1, 1880, Represented by Births in 1880.	Total Illegitimate Births, 1880.	Per Cent. of Births to Population.	Per Cent. of Each Sex to Total of Both Sexes.	Number of Inhabitants to one Illegitimate Child of the same Color.
All Colors	Total	1,627,307	425	.03	.....	3,829
	Males	856,302	216	.03	51.06	3,964
	Females	771,005	207	.03	48.94	3,725
	Unknown	.....	2	.....	.....	.....
White	Total	1,605,127	410	.03	.....	3,915
	Males	.....	209	.....	51.23	.....
	Females	.....	199	.....	48.77	.....
	Unknown	.....	2	.....	.....	.....
Black	Total	.....	4	.....	.....	.....
	Males	.....	2	.....	50.00	.....
	Females	.....	2	.....	50.00	.....
Mulatto	Total	.....	3	.....	.....	.....
	Males	.....	1	.....	33.33	.....
	Females	.....	2	.....	66.67	.....
Indian	Total	7,067	7	.10	.....	1,010
	Males	.....	3	.....	42.86	.....
	Females	.....	4	.....	57.14	.....
Unknown	Total	.....	1	.....	.....	.....
	Males	.....	1	.....	100.00	.....
	Females	.....	.....	.....	.....	.....
Black and Mulatto	Total	15,085	10	.07	.....	1,509
	Males	.....	4	.....	40.00	.....
	Females	.....	6	.....	60.00	.....

TABLE XVIII.—*Exhibiting the Number of Males to 100 Females, and by Sex, the Number and Per Cent. of Total Number of Illegitimate Children Born of Native and of Foreign-born Parents, in Michigan, during the Year 1880, according to the Returns.*

NATIVITY OF PARENTS OF ILLEGITIMATE CHILDREN, 1880.		ILLEGITIMATE CHILDREN, 1880.								
		Number of Males to 100 Females.	NUMBER.				PER CENT. OF TOTAL.			
			Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Unk.
All Nativities		104	425	216	207	2	100.00	100.00	100.00	100.00
Mothers	Native	78	148	64	82	2	34.82	29.63	39.61	100.00
	Foreign	109	73	38	35	.....	17.18	17.59	16.91	.....
	Unknown	127	204	114	90	.....	48.00	52.78	43.48	.....
Fathers	Native	141	42	24	17	1	9.88	11.11	8.21	50.00
	Foreign	93	27	13	14	.....	6.35	6.02	6.76	.....
	Unknown	102	356	179	176	1	83.76	82.87	85.02	50.00

EXHIBIT 9.——*By Nativity and Color, the Number and Proportion of Mothers of Illegitimate Children Returned as having been Born in Michigan during the Years 1878 to 1880, inclusive.*

NATIVITY AND COLOR OF MOTHERS.	1878.			1879.			1880.		
	Mothers having Illegitimates.	Whole No. of Mothers including those of Illegitimates.	Per Ct. of Mothers of Illegitimates to all Moth'rs.	Mothers having Illegitimates.	Whole No. of Mothers including those of Illegitimates.	Per Ct. of Mothers of Illegitimates to all Moth'rs.	Mothers having Illegitimates.	Whole No. of Mothers including those of Illegitimates.	Per Ct. of Mothers of Illegitimates to all Moth'rs.
Mothers of all colors and all nativities	[a] 202	34,729	.58	289	33,716	.86	423	34,953	1.21
All Native Mothers	114	20,143	.57	136	19,777	.69	147	20,223	.73
All Foreign Mothers	34	13,857	.25	89	13,338	.67	72	13,961	.52
Mothers of unknown nativities	54	729	7.41	64	601	10.65	204	769	26.53
White	179	34,290	.52	266	33,325	.80	408	34,497	1.18
Black	7	123	5.69	7	132	5.30	4	127	3.15
Mulatto	3	77	3.90	4	95	4.21	3	72	4.17
Indian	11	159	6.92	[b] 11	122	9.02	7	146	4.79
Unknown	2	80	2.50	1	42	2.38	1	111	[illegible]
Black and Mulatto	10	200	5.00	11	227	[illegible]			[illegible]

[a] See foot-note [a] to Exhibit 8, page 57.
[b] 1 female half Indian; 1 male, 2 fem[illegible]

TABLE XX.—*Exhibiting the Number of Males to 100 Females among Twin Children, and the Number of Illegitimate and Still-born Children Born during the Year 1880.*

STATE AND COUNTIES.	Twin Children,—Number of Males to 100 Females.	Number of Illegitimate Children born in 1880.	Number of Still-births in 1880.	COUNTIES.	Twin Children,—Number of Males to 100 Females.	Number of Illegitimate Children born in 1880.	Number of Still-births in 1880.
State	91	425	738	Lake	.....	.....	2
Allegan	350	3	21	Lapeer	150	5	15
Alpena	233	.....	1	Leelanaw	b	1	5
Antrim	500	1	2	Lenawee	57	5	13
Baraga	.....	.....	1	Livingston	300	.....	8
Barry	60	2	7	Mackinac	b	2	.....
Bay	125	8	17	Macomb	200	2	15
Benzie	a	.....	4	Manistee	a	9	12
Berrien	100	3	9	Marquette	122	4	21
Branch	b	1	13	Mason	a	.....	1
Calhoun	100	4	14	Mecosta	a	1	6
Cass	100	4	5	Midland	100	2	1
Charlevoix	100	1	.....	Missaukee	.....	.....	2
Cheboygan	60	.....	5	Monroe	69	6	34
Chippewa	50	1	.....	Montcalm	100	.....	20
Clinton	43	4	5	Muskegon	b	3	7
Delta	500	.....	2	Newaygo	300	3	4
Eaton	100	3	8	Oakland	220	2	8
Emmet	a	7	3	Oceana	100	1	6
Genesee	100	1	13	Ontonagon	100	.....	7
Grand Traverse	100	.....	1	Osceola	60	3	6
Gratiot	60	1	7	Ottawa	45	2	25
Hillsdale	125	2	5	Presque Isle	300	1	3
Houghton	100	1	15	Saginaw	69	1	38
Huron	78	2	16	Sanilac	33	8	10
Ingham	50	.....	9	Shiawassee	.....	1	4
Ionia	20	4	18	St. Clair	56	3	21
Iosco	.....	.....	3	St. Joseph	20	4	5
Isabella	50	2	5	Tuscola	200	5	15
Jackson	14	1	10	Van Buren	60	3	17
Kalamazoo	a	7	13	Washtenaw	43	9	9
Kent	146	15	29	Wayne	86	258	124
[illegible]	[illegible]	1	7	Wexford	33	2	6

[illegible]ales. b No males.

According to Exhibit 10, there were 17 townships in Michigan in which it was reported there were no births in 1880. The population of each township is given except Ætna in Missaukee county and St. Helens in Roscommon county, which were organized since the Census of 1880 was taken. The total population in the State among whom there were no births during the year 1880 was 2,272.

EXHIBIT 10.—*Townships in which it is Reported that there were No Births in 1880.*

COUNTIES.	TOWNSHIPS,—NO BIRTHS IN 1880.	POPULATION IN 1880.		
		Total.	Males.	Females.
Total		2,272	1,559	713
Crawford	Center Plains	154	86	68
Delta	Winona	78	43	35
Kalkaska	Cold Springs	101	52	49
Lake	Glencoe	126	91	35
	Lake	90	57	33
Manistee	Maple Grove	97	50	47
	Springdale	102	61	41
Marquette	Negaunee	335	197	138
Mason	Lincoln	140	84	56
Missaukee	Ætna[a]			
Ogemaw	Cumming	122	91	31
	Edwards	306	210	96
Ontonagon	Carp Lake	73	48	25
Otsego	Charlton	100	65	35
Roscommon	Gerrish	214	196	18
	Nester	234	228	6
	St. Helens[a]			

[a] Organized since Census was taken.

The townships from which no returns of births were received for 1880 can be seen in Table XXI., also the counties in which they are located. It is the duty of every supervisor in the State to make a report to the county clerk, and this should be done even if there were no births or deaths to report. Any officer who refuses or neglects to perform these duties is liable to a fine of one hundred dollars and the costs of prosecution. The population and other statistics of these delinquent townships are given as far as possible.

TABLE XXI.—*Exhibiting the Counties and Townships from which no Returns of Births in 1880 were received, the Number of Females Aged 16 to 45, and by Sex and by Color, the Number of Inhabitants June 1, 1880, in such Counties and Townships.*

COUNTIES.	TOWNSHIPS FROM WHICH NO RETURNS OF BIRTHS WERE RECEIVED FOR 1880.	POPULATION JUNE 1, 1880.				White.—Total.	Black and Mulatto.—Total.	Indian.—Total.	Native.—Total.	Foreign.—Total.
		Total.	Males.	Females.	Females Aged 16 to 45.					
Total		9,630	6,053	3,577	892	9,433	15	182	5,921	3,648
Alpena	Briley [a,b]	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cheboygan	Ellis [a,b]	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chippewa	Detour	471	285	186	.....	366	11	94	250	221
	Superior [a]	.....	.....	.....	.....	.....	.....	.....	.....	.....
Delta	Baldwin	295	183	112	.....	295	.....	.....	139	156
	Sack Bay	301	174	127	.....	301	.....	.....	173	128
Grand Traverse	East Bay [b]	654	373	281	125	654	.....	.....	507	147
Iosco	Plainfield [b]	61	33	28	.....	61	.....	.....	.....	.....
	Wilber [b]	202	100	102	.....	202	.....	.....	122	80
Isle Royal	All Townships	55	31	24	.....	55	.....	.....	34	21
Kalkaska	Springfield [b]	404	242	162	64	404	.....	.....	302	102
Lake	Elk [b]	156	123	33	.....	155	.....	1	74	82
Mackinac	Brevort [a]	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Hendricks	434	294	140	.....	409	.....	25	317	117
	Lakefield [a]	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marquette	Richmond [b]	750	440	310	.....	750	.....	.....	332	418
Menominee	Cedarville [b]	229	171	58	.....	229	.....	.....	99	130
	Nadeau [a,b]	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Spaulding [b]	1,131	795	336	.....	1,129	.....	2	428	703
Montcalm	Home	1,982	1,276	706	385	1,981	1	.....	1,567	415
Saginaw	Bridgeport [b]	1,644	901	743	318	1,642	2	.....	1,180	464
Schoolcraft	Munising [b]	270	174	96	.....	210	.....	60	147	123
	Onota [b]	420	373	47	.....	419	1	.....	91	329
Wexford	Concord [b]	171	85	86	.....	171	.....	.....	159	12

[a] Organized since Census was taken.
[b] County clerk says there were no returns from Supervisor.

SEX OF CHILDREN.

The tables and exhibits that follow contain much that is interesting concerning the causes which appear to influence the sex of offspring. Exhibits N, O, and P show, respectively, the births, as returned by months for the year 1880, as equalized to months of uniform length, and as corrected for omissions in the enumeration, and equalized to months of uniform length. In Exhibit O, the number of births in unknown month, and those births where the sex of children was not stated, are omitted. This gives an opportunity of studying the proportion of the sexes for the different months in the year.

TABLE XXII.—*Exhibiting, by Months, the Relation between the Total Number of Conceptions during certain Months of the Years 1879–80, and the Proportion of each Sex Conceived during the same time and Born during the Year ending December 31, 1880, according to the Returns.*

Conceptions for Births in 1880.[a]				
	Months of 1879 and 1880 of Conceptions of Births in 1880, in order by number, the least first.	Total Number of Conceptions.[b]	Months of 1879 and 1880, in order by number of Males to 100 Females, greatest first.	Number of Males to 100 Females.
Less than the Average Number of Conceptions.	April	2,310	More than the Av. Proportion of Males. May	114
	May	2,631	July	114
	June	2,797	February, 1880[c]	113
	September	2,810	June	112
	August	2,823	April	110
	July	2,861	Average	109
Average		2,929		
More than the Average Number of Conceptions.	October	2,951	Less than the Average Proportion of Males. October	108
	February, 1880	3,109	January, 1880	108
	January, 1880	3,111	March, 1880	107
	March, 1880	3,208	September[c]	106
	November	3,222	August[c]	105
	December	3,319	November	105
			December	105

[a] Equalized to months of 30.44 days each, and excluding unknown sex and unknown month.
[b] For purposes of this study the time of conception is presumed to be nine calendar months previous to the month of birth.
[c] Exceptions to the proposition that *more* than the average proportion of males were conceived in months in which *less* than the average total number of conceptions occurred, and *vice versa*.

TABLE XXIII.—*Exhibiting, by Months, the Relation between the Number of Conceptions and the Number of Males to 100 Females. Conceptions estimated from Births Corrected as if Enumerated in Months of Occurrence and Equalized to Months of uniform length.*

Conceptions for Births, 1880.[a]					
	Months of 1879 and 1880 of Conceptions of Births in 1880, estimated from Births Corrected as if enumerated in months of occurrence, and equalized to months of uniform length. Months arranged in order by number, the least first.	Number of Conceptions as Corrected and Equalized.[b]		Months of 1879 and 1880 of Conceptions of Births in 1880, estimated from Births Corrected as if enumerated in months of occurrence, and equalized to months of uniform length. Months arranged in order by number of Males to 100 Females, greatest first.	Number of Males to 100 Females: Births Corrected and Equalized.
Less than the Average No. of Conceptions.	April	3,892	More than the Average Proportion of Males.	May	126
	March, 1880	3,898		July	125
	February, 1880	3,909		June	123
	January, 1880	4,041		April[c]	122
	September	4,129		February, 1880[c]	119
Average		4,209	Average		118
More than the Average No. of Conceptions.	October	4,211	Less than the Average Proportion of Males.	October[c]	117
	August	4,268		September	115
	May	4,323		January, 1880	115
	December	4,451		August[c]	114
	July	4,457		November[c]	113
	November	4,459		December[c]	112
	June	4,474		March, 1880	112

[a] See foot-note [b] to Table XXII., page 64.
[b] Excluding unknown month and unknown sex.
[c] Exceptions to the proposition that *more* than the average proportion of males were conceived in months in which *more* than the average number of conceptions occurred, and *less* than the average proportion of males in months in which *less* than the average number of conceptions occurred

EXHIBIT N.—*Births Returned as having occurred in Michigan during the Year 1880, by Sex, and by Months Equalized to 30.44 days each.*

SEX.	Year, 1880.	Months of Births, Equalized, 1880.												
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Total	[a]35,247	2,312	2,638	2,799	2,865	2,828	2,813	2,957	3,226	3,326	3,116	3,113	3,218	36
Males	18,336	1,211	1,402	1,479	1,524	1,445	1,445	1,535	1,652	1,698	1,616	1,652	1,659	18
Females	16,849	1,099	1,229	1,318	1,337	1,378	1,365	1,416	1,570	1,621	1,495	1,457	1,549	15
Unknown	62	2	7	2	4	5	3	6	4	7	5	4	10	3

[a] The number of births of each sex and the total number, as equalized, do not equal the number of births as enumerated because of the loss of fractions, and the unequal numbers in the several months [illegible] subtraction. The total number as equalized is 76 less than the total num-

TABLE XXIV.—*Exhibiting by Months, according to the Returns, the Relation between the Total Number of Conceptions, and the Total Number of Deaths which occurred in the Months of the Years 1879 and 1880 in which were Conceived the Children Born during the Year ending December 31, 1880.*

Deaths.			Conceptions. [b]		
	Months [a] of 1879 and 1880 of Conceptions of Births in 1880, arranged in order by Total Number of Deaths, the least first.	Number of Deaths, as Equalized.		Months [a] of 1879 and 1880 of Conceptions of Births in 1880, in order by number, the least first.	Number of Conceptions, as Equalized. [a]
Less than the Av. No. of Deaths.	January, 1880	845	Less than the Average Number of Conceptions.	April	2,312
	June	915		May	2,638
	February, 1880	1,052		June	2,799
	May	1,063		September	2,813
	March, 1880	1,128		August	2,828
	July	1,162		July	2,865
	April	1,191			
Average		1,194	Average		2,934
More than the Av. No. of Deaths.	October	1,263	More than the Av. No. of Conceptions.	October	2,957
	November	1,287		February, 1880	3,113
	September	1,424		January, 1880	3,116
	December	1,493		March, 1880	3,218
	August	1,509		November	3,226
				December	3,326

[a] Equalized to months of 30.44 days each, excluding unknown month.
[b] See foot-note [b] to table XXII., page 64.

EXHIBIT O.—*Births Returned as having occurred in Michigan during the Year 1880, by Sex, and by Months Equalized to 30.44 days each, and by Months, the Excess of Males over Females, and the Number of Males to 100 Females. Unknown Sex and unknown month excluded.*

Sex.	Year, 1880.	Months of Births, Equalized, 1880.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Both Sexes	[a] 35,152	2,310	2,631	2,797	2,861	2,823	2,810	2,951	3,222	3,319	3,111	3,109	3,206
Males	18,318	1,211	1,402	1,479	1,524	1,445	1,445	1,535	1,652	1,698	1,616	1,652	1,659
Females	16,834	1,099	1,229	1,318	1,337	1,378	1,365	1,416	1,570	1,621	1,495	1,457	1,549
Excess of Males	1,484	112	173	161	187	67	80	119	82	77	121	195	110
Males to 100 Females	109	110	114	112	114	105	106	108	105	105	108	113	107

[a] The number of births of each sex, and the total number of both sexes, as equalized, do not equal the number of births as returned, because of the loss of fractions, and the unequal numbers in the several months, modified by addition and subtraction. This table excludes births in unknown month and of unknown sex,—95. These and the 76 lost in equalizing, added to the number shown in this table, make the number as returned by registration officers (35,323).

TABLE XXV.—*Exhibiting the Relation, by Months, between the Number of Conceptions and the Number of Deaths, the Number of Deaths and the Number of Births Returned from which Conceptions are estimated, being Corrected as if Enumerated in Months of Occurrence, and Equalized to Months of uniform length.*

Deaths.			Conceptions.[a]		
	Months of 1879 and 1880 of Conceptions of Births in 1880, arranged in order by number of Deaths, the least first. Deaths Corrected as if enumerated in months of occurrence, and equalized to months of uniform length.	Number of Deaths, as Corrected and Equalized.		Months of 1879 and 1880 of Conceptions of Births in 1880, estimated from Births Corrected as if enumerated in months of occurrence, and equalized to months of uniform length. Months arranged in order by number, the least first.	Number of Conceptions, as Corrected and Equalized.[b]
Less than the Average Number of Deaths.	June	1,346	Less than the Av. No. of Conceptio's.	April	3,887
	May	1,609		March, 1880	3,903
	November	1,617		February, 1880	3,907
	October	1,642		January, 1880	4,044
	July	1,659		September	4,180
	January, 1880	1,708			
Average		1,787	Average		4,210
More than the Av. No. of Deaths.	December	1,814	More than the Average Number of Conceptions.	October	4,214
	April	1,854		August	4,272
	September	1,912		May	4,322
	February, 1880	2,059		July	4,451
	August	2,091		December	4,458
	March, 1880	2,137		November	4,461
				June	4,467

[a] See foot-note [b] to Table XXII., page 64.
[b] Excluding unknown month.

EXHIBIT P.—*Births Returned as having occurred in Michigan during the Year 1880, by Sex and by Months, Corrected for Omissions in Enumerating, Equalized for Increase of Population during the Year covered by the Returns, and as thus corrected and Equalized for the several Months, Equalized for Months of 30.44 days each.*

Sex.	Year, 1880.	Months of Birth, 1880.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Both Sexes	51,636	4,055	4,489	4,631	4,598	4,388	4,230	4,301	4,538	4,529	4,084	3,936	3,907
Males	[illegible]	[illegible]230	2,501	2,557	2,551	2,340	2,260	2,317	2,405	2,396	2,181	2,142	2,063
[illegible]	[illegible]	[illegible]25	1,988	2,074	2,047	2,048	1,970	1,984	2,133	2,133	1,903	1,794	1,844

TABLE XXVI.—*Exhibiting by Months, the Relation between the Number of Deaths and the Proportion of each Sex Conceived during the same Months of the Years 1879 and 1880; the Number of Deaths and the Number of Births Returned from which Conceptions are estimated being Corrected as if Enumerated in Months of Occurrence, and Equalized to Months of uniform length.*

Deaths.			Conceptions.[a]		
	Months of 1879 and 1880 of Conceptions of Births in 1880, arranged in order by number of Deaths, least first. Deaths Corrected as if enumerated in months of occurrence, and equalized to months of uniform length.	Number of Deaths, as Corrected and Equalized.		Months of 1879 and 1880 of Conceptions of Births in 1880, estimated from Births Corrected as if enumerated in months of occurrence, and equalized to months of uniform length. Months arranged in order by number of Males to 100 Females, greatest first.	Number of Males to 100 Females. Births Corrected and Equalized.[b]
Less than the Average Number of Deaths.	June	1,346	More than the Average Proportion of Males.	May	126
	May	1,609		July	125
	November	1,617		June	123
	October	1,642		April	122
	July	1,659		February, 1880	119
	January, 1880	1,708			
Average		1,787	Average		118
More than the Av. No. of Deaths.	December	1,814	Less than the Average Proportion of Males.	October	117
	April	1,854		September	115
	September	1,912		January, 1880	115
	February, 1880	2,059		August	114
	August	2,091		November	113
	March, 1880	2,137		December	112
				March, 1880	112

[a] See foot-note [b] to Table XXII., page 64.
[b] Excluding births in unknown month and of unknown sex.

TABLE XXVII.—*Exhibiting by Months, according to the Returns, the Relation between the Total Number of Deaths and the Proportion of each Sex Conceived during the same Months of the Years 1879 and 1880, and Born during the Year ending December 31, 1880.*

Deaths.			Conceptions.[b]		
	Months of 1879 and 1880 of Conceptions of Births in 1880, arranged in order by Number of Deaths, the least first.	Number of Deaths, as Equalized.		Months[a] of 1879 and 1880, in order by number of Males to 100 Females, greatest first.	Number of Males to 100 Females.
Less than the Av. No. of Deaths.	January, 1880	845	More than the Av. Proportion of Males.	May	114
	June	915		July	114
	February, 1880	1,052		February, 1880	113
	May	1,063		June	112
	March, 1880	1,128		April	110
	July	1,162			
	April	1,191		Average	109
Average		1,194	Less than the Av. Proportion of Males.	October	108
More than the Average Number of Deaths.	October	1,263		January, 1880	108
	November	1,287		March, 1880	107
	September	1,424		September	106
	December	1,493		August	105
	August	1,509		November	105
				December	105

[a] Equalized to months of 30.44 days each, excluding unknown sex and unknown month.
[b] See foot-note [b] to Table XXII., page 64.

TABLE XXVIII.—*Exhibiting for the Total Births, for the Twins, Illegitimates, and Still-born Children Returned as having been Born in Michigan during the Year 1880; the Number of Boys to 100 Girls among such Children, distinguishing by Parent-Nativities, thus exhibiting the Influence of Parent-Nativity and of other Conditions upon Sex of Children.*

NATIVITY OF PARENTS.		Births, 1880.[a]		Boys to 100 Girls.			
		Males.	Females.	Total Births.	Twin Children.	Illegitimates.	Still-births.
All Nativities		18,373	16,888	108.79	90.93	104.35	133.89
Both Parents Native		8,406	7,838	107.25	79.46	.....	127.87
Both Parents Foreign		6,234	5,737	108.66	94.24	.....	133.60
Foreign Father and Native Mother		2,137	1,827	116.97	111.43	.....	146.67
Foreign Mother and Native Father		1,073	979	109.60	172.73	.....	105.56
One or Both Unknown		523	507	103.16	100.00	.....	148.39
Mothers	Native	10,627	9,775	108.72	83.86	78.05	132.26
	Foreign	7,344	6,754	108.74	100.00	108.57	132.50
	Unknown	402	359	111.98	200.00	126.67	150.00
Fathers	Native	9,538	8,893	107.25	84.69	141.18	125.71
	Foreign	8,402	7,600	110.55	98.85	92.86	140.46
	Unknown	433	395	109.62	60.00	101.70	143.33
One or Both Native		11,759	10,830	108.58	88.08	.....	130.06
One or Both Foreign		9,512	8,617	110.39	103.24	.....	135.76
Both Unknown		312	247	126.32	100.00	.....	144.00
Same Country		[b] 14,640	[b] 13,575	[b] 107.85	[c] 85.57	.....	[e] 132.06
Different Countries		[d] 3,210	[d] 2,806	[d] 114.40	[e] 115.38	.....	[e] 122.79
Same American State or Foreign Country		.....	.....	.....	98.12	.....	139.87
Different American States or Foreign Countries		.....	.....	.....	62.16	.....	114.06

[a] Excluding unknown sex.
[b] Includes "Native" and "Foreign."
[c] Includes "Native," and same Foreign Country.
[d] Includes "Foreign Father and Native Mother," and "Foreign Mother and Native Father."
[e] Includes "Different Countries," "Foreign Father and Native Mother," and "Foreign Mother and Native Father."

MARRIAGES, 1880.

The total number of marriages returned to the State Department as having been solemnized in Michigan in 1880 was 14,149. This number will doubtless be increased when the returns of marriages for subsequent years are received, as has been the case in preceding years. Take for instance the year 1879, the number as first returned and compiled was 13,225, but there were 516 returns of marriages solemnized in 1879, that were returned with the returns of marriages for 1880, making the total number for 1879,—13,741. It is reasonable to suppose that the actual number of marriages solemnized in Michigan during the year 1880 was about 14,800.

The average annual number of marriages for the nine years 1872–1880 is 12,354. The number returned for 1880 is far in advance of this average, and is an indication of the financial prosperity of the year. One other cause, which has been mentioned on a previous page, no doubt had some effect on the high marriage-rate of 1880. A copy of the laws concerning the solemnization of marriages was mailed, as far as possible, to every person in the State authorized to solemnize marriages. The rate of marriages to every thousand of the population of Michigan in 1880 was 8.62, or one marriage to every 116 persons in the State. If the number of inhabitants in the State was limited to persons over 15 years of age, the estimate would be much nearer the true figures. As has been mentioned heretofore, it is impossible, at present, to obtain the inhabitants of Michigan, by ages, of the U. S. Census.

The following is prepared to show the average number of marriages per day, per week, etc. It will be seen that there were about 38 marriages per day in Michigan during the year 1880.

Average number per quarter	3,537.25
Average number per month	1,179.08
Average number per week	272.10
Average number per day	38.66

The people of Michigan seem to regard the last quarter of the year, ending with December, as the most favorable season for matrimony, and the second quarter, ending with June, as the least favorable. This has been the rule, almost without an exception, for every year. The number and per cent. of marriages for the quarters of the year 1880, and also for each of the years 1875–1880, may be seen in Table I., where the marriages are corrected for additional returns up to the time of making the compilation for the year 1880.

TABLE I.—*Marriages by Quarters of the Year, showing Number and Per Cent. in each Quarter of the Year for each of the Years 1875 to 1880, inclusive, Corrected for Additional Returns, up to May 11, 1882.*

Totals, and Months with which Quarters End.	1875.		1876.		1877.		1878.		1879.		1880.	
	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.
Totals	11,851	100.00	11,879	100.00	11,827	100.00	12,786	100.00	13,741	100.00	14,149	100.00
March	2,594	21.89	2,708	22.80	2,702	22.85	2,978	23.29	3,078	22.40	3,261	23.05
June	2,662	22.46	2,632	22.16	2,546	21.53	2,676	20.93	2,865	20.85	3,151	22.27
September	2,781	23.47	2,863	24.10	2,824	23.88	3,006	23.51	3,242	23.59	3,472	24.54
December	3,812	32.17	3,670	30.89	3,743	31.65	4,116	32.19	4,552	33.13	4,262	30.12
Unknown	2	.02	6	.05	12	.10	10	.08	4	.03	3	.02
Average *	2,963	25.00	2,970	25.00	2,957	25.00	3,197	25.00	3,435	25.00	3,537	25.00

* Including marriages in unknown quarter of the year.

In Exhibit A may be seen the number of marriages as originally returned and compiled for each of the years 1875–1880. By comparing Exhibit A with Table I. it will be seen that many returns of marriages are made after the time required by law, and that many persons who solemnize marriages are very negligent in making returns to their county clerk. This fact is greatly to be regretted, and it is hoped that the ministers and justices in the State will be more prompt in the future.

EXHIBIT A.—*Marriages by Quarters of the Year, showing number and Per Cent. in each Quarter of the Year, for each of the Years 1875 to 1880, inclusive, as Originally Returned and published in Reports.*

Totals, and Months with which Quarters End.	1875.		1876.		1877.		1878.		1879.		1880.	
	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.
Totals	11,055	100.00	10,858	100.00	11,009	100.00	12,221	100.00	13,225	100.00	14,149	100.00
March	2,519	22.79	2,599	23.94	2,633	23.92	2,901	23.74	3,039	22.98	3,261	23.05
June	2,557	23.13	2,474	22.79	2,422	22.00	2,606	21.32	2,806	21.22	3,151	22.27
September	2,625	23.74	2,677	24.65	2,646	24.03	2,906	23.78	3,133	23.69	3,472	24.54
December	3,353	30.33	3,105	28.60	3,298	29.96	3,798	31.08	4,243	32.08	4,262	30.12
Unknown	1	.01	3	.03	10	.09	10	.08	4	.03	3	.02
Average *	2,764	25.00	2,715	25.00	2,752	25.00	3,055	25.00	3,306	25.00	3,537	25.00

* The number in unknown quarter of year included.

The following table exhibits the number of marriages recorded in each month of the years 1877–1880, and the per cent. which the number of marriages in each month is to the total number of marriages for the year. The months of October, November, and December head the list in the number and per cent. of marriages, the month of October being first in the majority of the years. Only four of the twelve months in 1880 have more than the average monthly per cent. of marriages, and those occur in the autumn months and December. For the year 1880, November has the greatest per cent. and June the smallest.

TABLE II.—*Marriages by Months, Arranged in Order by Number, Months having the greatest number first, for the Years 1877 to 1880, inclusive, Corrected, for additional returns, up to May 11, 1882.*

Order.	1877.			1878.			1879.			1880.		
	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.
	Total	11,827	100.00	Total	12,786	100.00	Total	13,741	100.00	Total	14,149	100.00
1	Dec.	1,277	10.80	Oct.	1,398	10.93	Oct.	1,558	11.34	Nov.	1,474	10.42
2	Oct.	1,241	10.49	Dec.	1,391	10.88	Nov.	1,529	11.13	Oct.	1,403	9.92
3	Nov.	1,225	10.36	Nov.	1,327	10.38	Dec.	1,465	10.66	Dec.	1,385	9.79
4	Sept.	1,101	9.31	Sept.	1,175	9.19	Sept.	1,260	9.17	Sept.	1,332	9.41
5	Jan.	973	8.23	Jan.	1,087	8.50	Jan.	1,073	7.81	Jan.	1,154	8.16
6	April	942	7.96	Mar.	1,011	7.91	July	1,062	7.73	April	1,125	7.95
7	July	939	7.94	May	954	7.46	Mar.	1,025	7.46	July	1,115	7.88
8	Mar.	878	7.42	April	946	7.40	May	1,013	7.36	Mar.	1,070	7.56
9	May	864	7.31	July	936	7.32	Feb.	980	7.13	Feb.	1,037	7.33
10	Feb.	851	7.20	Aug.	895	7.00	Apr.	978	7.12	Aug.	1,025	7.24
11	Aug.	784	6.63	Feb.	888	6.80	Aug.	920	6.70	May	1,023	7.23
12	June	740	6.26	June	776	6.07	June	874	6.36	June	1,003	7.09
	Unk.	12	.10	Unk.	10	.08	Unk.	4	.03	Unk.	3	.02
	Aver'ge [a]	986	8.33	Aver'ge [a]	1,066	8.33	Aver'ge [a]	1,145	8.33	Aver'ge [a]	1,179	8.33

[a] Includes those for unknown month.

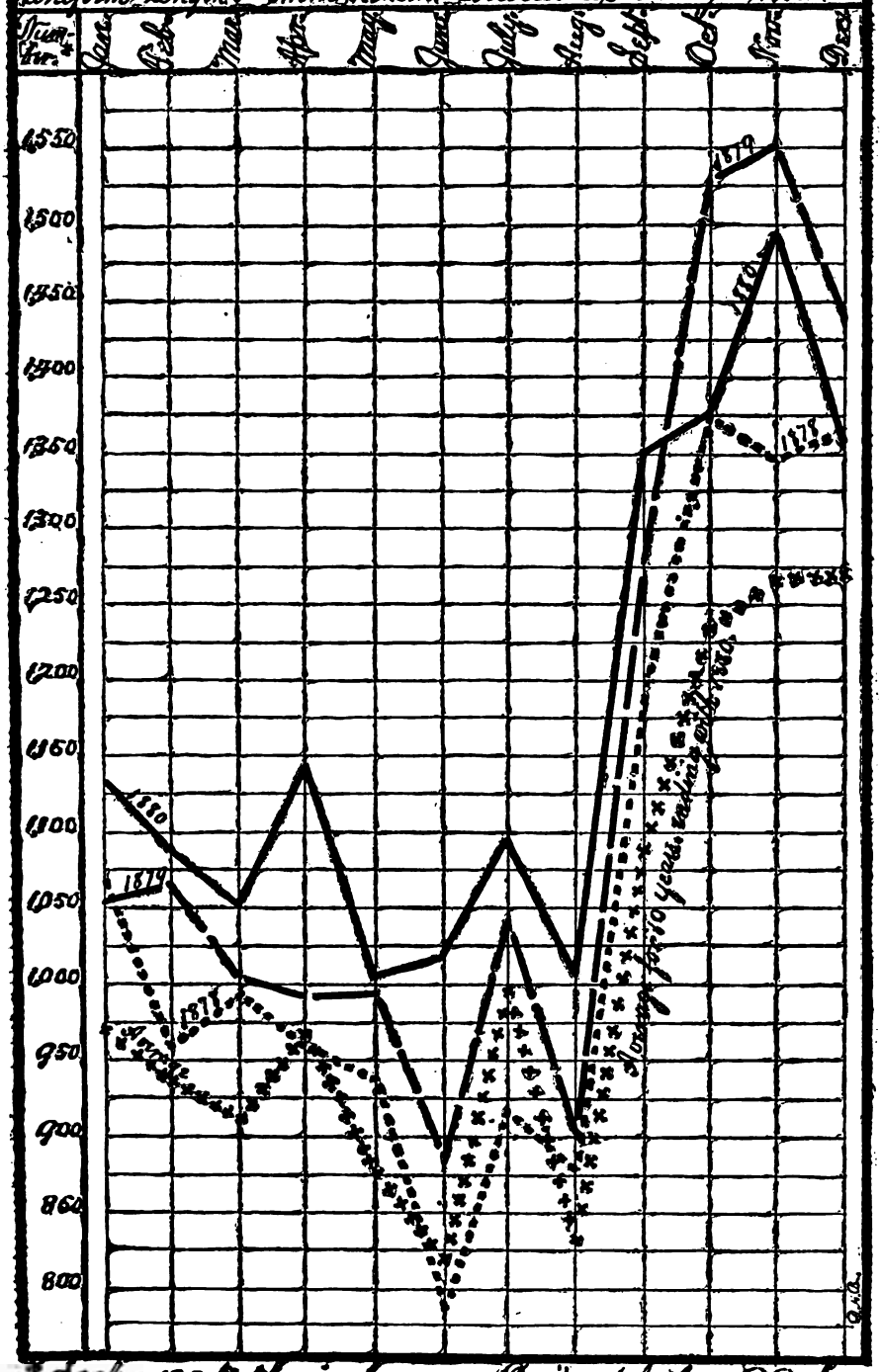
Exhibit B gives the number of marriages, by months, for each of the years 1876–1880, and the number in the years preceding 1880 corrected for additional returns up to May 11, 1882. The months in each of the years are then equalized to months of 30.44 days, making them all of equal length. The number of marriages in this Exhibit does not agree with the number as published in the report for 1879, owing to the corrections made for additional returns. In 1880, before the months are made of equal length, June has the least number of marriages, but when of equal length May has the least.

EXHIBIT B.—*Marriages Returned as having been Solemnized in Michigan during the Years 1876 to 1880, inclusive, Corrected, for additional returns, up to May 11, 1882, and Equalized to Months of 30.44 days each.*

	Year.	Total.	Months.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Marriages as returned	1876	11,879	957	881	870	961	869	802	1,059	788	1,016	1,247	1,167	1,256	6
Days and hundredths by which the months should be increased or diminished to equalize them to uniform length.		.....	-.56	+1.44	-.56	+.44	-.56	+.44	-.56	-.56	+.44	-.56	+.44	-.56	.....
Number by which the marriages should be increased or diminished to equalize them to months of uniform length.		-57	-17	+13	-16	+14	-16	+12	-19	-14	+15	-23	+17	-23	.....
Marriages, equalized to months of uniform length		11,822	940	894	854	975	853	814	1,040	774	1,031	1,224	1,184	1,233	6
Marriages as returned	1877	11,827	973	851	878	942	864	740	939	784	1,101	1,241	1,225	1,277	12
Days and hundredths by which the months should be increased or diminished to equalize them to uniform length.		.....	-.56	+2.44	-.56	+.44	-.56	+.44	-.56	-.56	+.44	-.56	+.44	-.56	.....
Number by which the marriages should be increased or diminished to equalize them to months of uniform length..		+7	-18	+74	-16	+14	-16	+11	-17	-14	+16	-22	+18	-23	.....
Marriages, equalized to months of uniform length		11,834	955	925	862	956	848	751	922	770	1,117	1,219	1,243	1,254	12
Marriages as returned	1878	12,786	1,087	880	1,011	946	954	776	936	895	1,175	1,398	1,327	1,391	10
Days and hundredths by which the months should be increased or diminished to equalize them to uniform length.		.....	-.56	+2.44	-.56	+.44	-.56	+.44	-.56	-.56	+.44	-.56	+.44	-.56	.....
Number by which the marriages should be increased or diminished to equalize them to months of uniform length..		.....	-20	+77	-18	+14	-17	+11	-17	-16	+17	-25	+19	-25	.....
Marriages, equalized to months of uniform length		12,786	1,067	957	993	960	937	787	919	879	1,192	1,373	1,346	1,366	10
Marriages as returned	1879	13,741	1,073	980	1,025	978	1,013	874	1,062	920	1,260	1,558	1,529	1,465	4
Days and hundredths by which the months should be increased or diminished to equalize them to uniform length.		.....	-.56	+2.44	-.56	+.44	-.56	+.44	-.56	-.56	+.44	-.56	+.44	-.56	.....
Number by which the marriages should be increased or diminished to equalize them to months of uniform length..		+6	-19	+85	-19	+14	-18	+13	-19	-17	+18	-28	+22	-26	.....
Marriages, equalized to months of uniform length		13,747	1,054	1,065	1,006	992	995	887	1,043	903	1,278	1,530	1,551	1,439	4
Marriages as returned	1880	14,149	1,154	1,037	1,070	1,125	1,023	1,003	1,115	1,025	1,332	1,403	1,474	1,385	3
Days and hundredths by which the months should be increased or diminished to equalize them to uniform length.		.....	-.56	+1.44	-.56	+.44	-.56	+.44	-.56	-.56	+.44	-.56	+.44	-.56	.....
Number by which the marriages should be increased or diminished to equalize them to months of uniform length..		-22	-21	+51	-19	+17	-18	+15	-20	-19	+20	-25	+22	-25	.....
Marriages, equalized to months of uniform length		14,127	1,133	1,088	1,051	1,142	1,005	1,018	1,095	1,006	1,352	1,378	1,496	1,360	3

Diagram No. 2.

All averages in Michigan during the years 1878, 1879, and 1880, and Average for 10 years, ending with 1880 by months equalized to uniform length. From Airline Journal up to May 11, 1882.



* Scale = 126 to the inch.

Designed by Lewis R. Baker

TABLE III.—*Distinguishing, by Counties and by Months, the number of Marriages returned as having been solemnized in Michigan during the Year ending December 31, 1880.*

STATE AND COUNTIES.	Year, 1880.	MONTHS, 1880.												
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk
STATE .....[a]	14,149	1,154	1,037	1,070	1,125	1,023	1,003	1,115	1,025	1,332	1,403	1,474	1,385	3
Alcona.....	12	2	1	2	2	1	.....	1	1	1	.....	.....	1	....
Allegan.....	358	29	30	23	22	29	26	18	25	35	38	28	55	....
Alpena.....	60	4	2	.....	4	2	3	3	6	9	12	10	5	....
Antrim.....	39	2	4	3	3	1	6	3	1	3	1	7	5	....
Baraga.....	13	1	3	1	.....	1	1	1	.....	.....	2	2	1	....
Barry.....	232	21	19	22	13	11	9	16	16	20	28	27	30	....
Bay.....	217	10	13	11	17	26	15	25	24	14	28	22	12	....
Benzie.....	33	7	1	1	2	5	1	.....	2	6	1	5	2	....
Berrien.....	458	39	34	37	28	33	33	41	28	52	48	43	42	....
Branch.....	284	20	30	18	20	19	14	20	16	32	23	39	33	....
Calhoun.....	354	25	25	27	29	24	22	28	28	20	46	42	38	....
Cass.....	220	21	15	16	14	16	16	9	18	29	18	27	21	....
Charlevoix..	25	1	2	2	3	.....	1	2	3	4	6	1	.....	....
Cheboygan..	56	3	1	2	5	4	11	5	5	6	7	4	3	....
Chippewa...	20	3	.....	.....	.....	1	.....	2	.....	1	5	2	6	....
Clare.....	29	1	1	5	2	4	6	2	1	5	7	3	2	....
Clinton.....	244	16	20	16	21	24	19	17	17	22	19	26	27	....
Crawford...	13	1	2	.....	2	.....	.....	.....	1	1	2	3	1	....
Delta.....	68	4	5	2	9	6	4	5	11	3	5	10	4	....
Eaton.....	266	22	21	20	17	25	13	22	25	28	22	31	19	1
Emmet.....	51	7	2	1	2	2	2	6	5	9	5	7	3	....
Genesee.....	334	29	20	41	32	26	25	22	17	23	34	32	33	....
Gladwin....	4	.....	.....	.....	.....	.....	.....	.....	1	1	.....	1	1	....
Gr. Traverse	73	6	3	6	7	10	4	9	6	10	4	6	2	....
Gratiot.....	191	18	15	14	11	9	10	18	17	15	21	18	25	....
Hillsdale....	395	35	35	27	29	20	27	35	29	37	37	40	44	....
Houghton...	169	10	11	6	6	14	11	17	23	12	22	24	13	....
Huron.....	134	21	9	10	9	4	11	14	9	12	15	12	8	....
Ingham.....	331	23	24	30	20	23	19	32	28	37	16	43	36	....
Ionia.....	318	28	26	30	21	18	16	31	17	30	36	30	35	....
Iosco.....	66	3	4	2	8	7	9	8	10	10	8	11	6	....
Isabella.....	94	2	8	5	9	11	12	6	10	7	10	6	7	1
Isle Royal..[b]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....
Jackson.....	660	33	25	32	21	21	25	24	19	37	42	41	39	....
Kalamazoo..	266	30	16	29	24	16	23	17	24	24	31	18	11	....
Kalkaska....	39	6	2	3	.....	4	2	2	2	3	2	2	7	....
Kent.....	816	52	56	45	50	50	41	41	30	56	66	58	72	....
Keweenaw..	9	1	2	3	1	2	2	1	2	1	4	5	3	....
Lake.....	19	1	.....	3	2	.....	.....	1	.....	.....	5	.....	4	....
Lapeer.....	247	23	19	23	30	19	14	21	14	25	17	19	23	....
Leelanau...	28	1	.....	.....	2	3	1	3	3	6	1	6	3	....
Lenawee...	488	39	46	38	27	20	39	24	33	31	40	54	49	....
Livingston.	151	15	7	17	15	9	11	7	12	10	12	16	21	....
Macomb....	39	9	3	4	1	.....	1	.....	2	4	2	3	.....	....

[a] [illegible] from which no returns were received.
[b] [illegible] county clerk to State Department.

TABLE III.—CONTINUED.—*Marriages by Counties, by Months.*

COUNTIES.	Year, 1880.	MONTHS, 1880.												
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk
Macomb	252	25	22	19	33	23	16	16	11	15	27	18	27	----
Manistee	101	5	2	13	7	3	8	7	8	10	14	14	10	----
Manitou	7	2	------	------	------	------	3	1	1	------	------	------	------	----
Marquette	157	8	11	5	16	12	11	16	15	19	15	22	7	----
Mason	107	3	4	9	12	8	10	8	10	10	8	17	8	----
Mecosta	125	6	7	10	11	6	6	12	14	11	12	15	15	----
Menominee	120	6	7	7	5	10	19	14	6	16	8	10	12	----
Midland	50	5	3	1	4	6	5	3	2	7	2	6	6	----
Missaukee	13	------	1	------	1	------	1	4	3	2	1	------	------	----
Monroe	314	24	13	21	27	34	25	23	27	24	38	33	25	----
Montcalm	289	31	23	23	19	22	19	29	21	22	21	30	29	----
Muskegon	290	15	16	15	23	27	21	30	23	21	30	40	29	----
Newaygo	132	11	10	14	12	7	7	13	9	13	10	8	18	----
Oakland	286	24	27	32	22	8	12	21	15	31	33	30	31	----
Oceana	111	11	8	8	5	8	7	14	12	9	6	7	16	----
Ogemaw	6	------	------	------	2	------	------	------	------	1	1	1	1	----
Ontonagon	14	------	------	1	1	------	2	2	2	------	5	------	1	----
Osceola	117	5	9	14	9	9	11	7	8	5	11	12	17	----
Oscoda[a]	------	------	------	------	------	------	------	------	------	------	------	------	------	----
Otsego	23	3	2	------	1	1	3	2	1	1	2	3	4	----
Ottawa	270	19	18	24	34	23	22	16	20	19	28	24	23	----
Presque I'l	9	1	1	2	2	2	------	------	------	------	------	------	1	----
Roscommon	10	1	------	2	1	1	------	2	------	1	------	------	2	----
Saginaw	485	31	21	35	45	54	37	47	46	47	40	45	37	----
Sanilac	124	10	14	9	9	10	14	14	3	17	9	10	5	----
Schoolcraft	7	------	------	------	1	1	1	2	------	------	2	------	------	----
Shiawassee	200	20	21	13	15	11	9	12	9	28	21	15	26	----
St. Clair	376	33	19	25	40	30	20	42	22	36	44	29	35	1
St. Joseph	325	26	28	39	21	24	21	23	20	34	33	32	24	----
Tuscola	195	15	7	18	14	14	18	15	12	25	28	18	11	----
Van Buren	254	18	26	14	18	18	16	24	20	22	27	23	38	----
Washtenaw	322	36	26	36	32	21	20	17	12	30	26	33	31	----
Wayne	1,599	133	123	81	133	105	135	116	128	164	144	188	139	----
Wexford	53	1	2	3	5	7	5	4	4	1	9	7	5	----

[a] County clerk says there were no marriages in 1880.

COLOR OF PERSONS MARRIED.

Some interesting facts concerning the color of persons married, and the marriage-rate among the different races may be learned in Table IV. The greatest marriage-rate is found among the African race, and includes the Black and Mulatto, the least among the Indians. Over 98 per cent. of all the persons returned as having been married in Michigan during the year 1880 were White. According to the table there were 77 persons in the State who married those of another color, 39 males and 38 females. The table also shows that the marriage-rate is greater among females than among males, this being true, not only among all females, but also among the females of each color.

TABLE IV.—*Exhibiting, by Color and by Sex, the Number of Marriages, and the Number and Per Cent. of Total Number of Persons Married in Michigan during the Year 1880, according to the Returns; and the Per Cent. of Persons Married in 1880 to Population in 1880.*

COLOR,—1880.	SEX.	Population June 1, 1880, Represented by Marriages in 1880.	Number of Marriages, 1880.	PERSONS MARRIED, 1880.		Per Cent. of Persons Married in 1880 to Population June 1, 1880, by Sex and Color.	Number of Persons who Married those of another Color.
				Number.	Per Cent. of Total.		
All Colors	Total	1,636,882	14,149	28,298	100.00	1.73	77
	Males	a 862,324	.....	14,149	50.00	1.64	39
	Females	774,558	.....	14,149	50.00	1.83	38
White	Total	1,614,505	13,879	27,772	98.14	1.72	23
	Males	850,765	.....	13,905	49.14	1.63	19
	Females	763,740	.....	13,867	49.00	1.82	4
Black	Total	.....	95	177	.63	.....	17
	Males	.....	.....	95	.34	.....	15
	Females	.....	.....	82	.29	.....	2
Mulatto	Total	.....	47	103	.36	.....	17
	Males	.....	.....	47	.17	.....	4
	Females	.....	.....	56	.20	.....	13
Indian	Total	7,249	32	82	.29	1.13	20
	Males	3,696	.....	32	.11	.87	1
	Females	3,553	.....	50	.18	1.41	19
One or Both Unknown	Total	.....	96	164	.58	.....	.....
	Males	.....	.....	70	.25	.....	.....
	Females	.....	.....	94	.33	.....	.....
Black and Mulatto	Total	15,100	79	280	.99	1.85	34
	Males	7,835	.....	142	.50	1.81	19
	Females	7,265	.....	138	.49	1.90	15

a Includes 23 Asiatics.

Table V. shows the color of persons married in 1880 in each of the counties of the State with the exception of Isle Royal, from which no returns were received, and which is the only county not represented.

TABLE V.—*Exhibiting for the State and Counties, the Number of Marriages Returned as having been Solemnized in Michigan during the Year 1880, the Number of Couples of White Persons, and by Color the Number of Marriages where one or both parties were other than White.*

STATE AND COUNTIES.	Marriages, 1880.	Color of Persons Married, 1880, Stated by Couples.						
		White.	Black.	Mulatto.	Indian.	Female Unk. Male White.	Male Unk. Female White.	Both Unknown.
State	14,149	a 13,879	b 95	c 47	d 32	26	2	68
Alcona	12	12	.....	.....	.....	.....	.....	.....
Allegan	358	358	.....	.....	.....	.....	.....	.....
Alpena	60	60	.....	.....	.....	.....	.....	.....
Antrim	39	37	.....	.....	2	.....	.....	.....
Baraga	13	e 12	.....	.....	f 1	.....	.....	.....
Barry	232	230	.....	.....	.....	2	.....	.....
Bay	217	g 214	h 1	.....	2	.....	.....	.....
Benzie	33	33	.....	.....	.....	.....	.....	.....
Berrien	458	447	i 6	j 5	.....	.....	.....	.....
Branch	284	283	.....	1	.....	.....	.....	.....
Calhoun	354	341	1	j 3	.....	3	.....	6
Cass	220	211	k 4	5	.....	.....	.....	.....
Charlevoix	25	25	.....	.....	.....	.....	.....	.....
Cheboygan	56	l 54	.....	.....	2	.....	.....	.....
Chippewa	20	7	.....	.....	.....	.....	.....	13
Clare	39	39	.....	.....	.....	.....	.....	.....
Clinton	244	242	m 1	.....	.....	1	.....	.....
Crawford	13	13	.....	.....	.....	.....	.....	.....
Delta	68	68	.....	.....	.....	.....	.....	.....
Eaton	266	265	.....	.....	.....	1	.....	.....
Emmet	51	n 49	.....	.....	f 2	.....	.....	.....
Genesee	334	330	m 3	1	.....	.....	.....	.....

a 11 couples, male White, female White and Indian; 2 couples, male White, female "Half Indian;" 4 couples, male White, female Indian; 1 couple, male Chinese, female White, and 1 couple, male White, female French and Indian.

b 24 couples "Colored;" 12 couples, male Black, female Mulatto; 2 couples "African and Indian;" 34 couples "African;" 1 couple, male Black, female White and Indian; 1 couple, male Black, female "Octoroon," and 1 couple, male "African," female White.

c [illegible] e Mulatto, female "Quadroon;" [illegible] ght Brown," female "Light;" [illegible] alatto, female White, and 2 [illegible] to, female Black.

[illegible] White and Indian, female [illegible] ie Indian, female "Half-breed;" 4 couples White and Indian, and 1 couple, male White and Indian, female White.

e 2 couples, male White, female White and Indian; 2 couples, male White, female "Half Indian," and 1 couple, male White, female Indian.

f 1 couple, male White and Indian, female Indian.

g 1 couple, male White, female Indian.

h 1 couple "Colored."

i 2 couples "Colored," and 3 couples, male Black, female Mulatto.

j 1 couple, male Mulatto, female "Quadroon."

k 2 couples "African and Indian."

l 3 couples, male White, female White and Indian.

m 1 couple, male Black, female Mulatto.

n 2 couples, Male White, female Indian.

TABLE V.—CONTINUED.—*Marriages in 1880, by Counties, by Color.*

COUNTIES.	Marriages, 1880.	Color of Persons Married, 1880, Stated by Couples.						
		White.	Black.	Mulatto.	Indian.	Female Unk. / Male White.	Male Unk. / Female White.	Both Unknown.
Gladwin	4	4						
Grand Traverse	73	73						
Gratiot	191	188				3		
Hillsdale	395	395						
Houghton	169	169						
Huron	134	129		[a] 1		1	1	2
Ingham	331	[b] 325	[c] 4	2				
Ionia	318	316	[d] 1					1
Iosco	86	85			1			
Isabella	94	89	[e] 1		[f] 2			2
Isle Royal	[g]							
Jackson	359	351	[h] 7	1				
Kalamazoo	265	218	2	1		5		39
Kalkaska	35	35						
Kent	618	610	1	5		1		1
Keweenaw	27	27						
Lake	16	16						
Lapeer	247	247						
Leelanaw	28	26			2			
Lenawee	436	436						
Livingston	151	151						
Mackinac	23	[i] 16		1	[j] 6			
Macomb	252	251	1					
Manistee	101	101						
Manitou	7	7						
Marquette	157	157						
Mason	107	[k] 106	1					
Mecosta	125	122		2	1			
Menominee	120	116				3		1
Midland	50	50						
Missaukee	13	13						

[a] 1 couple, male "Light Brown," female "Light."
[b] 1 couple, male Chinese, female White.
[c] 1 couple "Colored," and 2 couples, male Black, female Mulatto.
[d] 1 couple, male Black, female Mulatto.
[e] 1 couple "Colored."
[f] 1 couple, male Indian, female "Half-breed."
[g] No returns from county clerk to State Department.
[h] 2 couples "African;" 1 couple "Colored," and 1 couple, male Black, female Mulatto.
[i] 5 couples, male White, female White and Indian.
[j] 3 couples White and Indian; 1 couple, male White and Indian, female Indian, and 1 couple, male White and Indian, female White.
[k] 1 co[illegible] female White and Ind[illegible]

TABLE V.—CONTINUED.—*Marriages in 1880, by Counties, by Color.*

COUNTIES.	Marriages, 1880.	Color of Persons Married, 1880, Stated by Couples.						
		White.	Black.	Mulatto.	Indian.	Female Unk. Male White.	Male Unk. Female White.	Both Unknown.
Monroe	314	314						
Montcalm	289	285		[a] 1		2	1	
Muskegon	290	289		1				
Newaygo	132	132						
Oakland	286	283	3					
Oceana	111	107			4			
Ogemaw	6	6						
Ontonagon	14	13			[b] 1			
Osceola	117	117						
Oscoda [c]								
Otsego	23	23						
Ottawa	270	266				4		
Presque Isle	9	9						
Roscommon	10	10						
Saginaw	485	479	1		5			
Sanilac	124	124						
Schoolcraft	7	6		[a] 1				
Shiawassee	200	200						
St. Clair	376	374	1		1			
St. Joseph	325	324	1					
Tuscola	195	195						
Van Buren	264	258	4	2				
Washtenaw	322	307	[d] 6	[e] 9				
Wayne	1,599	[f] 1,546	[g] 45	[e] 5				3
Wexford	53	53						

[a] 1 couple, male Mulatto, female White.
[b] 1 couple White and Indian.
[c] County clerk says there were no marriages in 1880.
[d] 1 couple, male Black, female Mulatto.
[e] 1 couple, male Mulatto, female Black.
[f] 1 couple, male White, female French and Indian.
[g] 12 couples "African," 18 couples "Colored," 2 couples, male Black, female Mulatto, 1 couple, male Black, female White and Indian, 1 couple, male Black, female Octoroon, and 1 couple, male "African," female White.

The manner of union by nativities of persons married in Michigan in 1880 can be seen in Exhibit 1. According to the evidence there given 8,796 native-born females married native-born males, 1,059 foreign-born females married native-born males, and 103 females of unknown nativity married native-born males. Also that 9,958 females of all nativities married native-born males, 4,024 females married foreign-born males, and 167 females married males of unknown nat[illegible] Agai[illegible]at 10,672 males of all nativities married native-born fem[illegible] [illegible]ied foreign-born females, and 258 males mar-
ried fe[illegible]

The last column in the exhibit shows that 70.38 per cent. of all bridegrooms in 1880 were native-born, 28.44 per cent. were foreign-born, and 1.18 per cent. were of unknown nativity. In like manner the brides,—75.43 per cent. of all brides in 1880 were native-born, 22.75 per cent. were foreign-born, and 1.82 per cent. were of unknown nativity.

EXHIBIT 1.—*By Nativity, the Number and Per Cent. of Brides and of Bridegrooms Returned as having been married in Michigan during the Year ending December 31, 1880, and by number, the manner of their Union by Nativity.*

BRIDEGROOMS AND BRIDES, NATIVITY SPECIFIED.		Brides, 1880.			Bridegrooms, 1880.	
		Native.	Foreign.	Unknown.	Total of each Nativity, and of all Nativities.	Per Cent. of each Nativity.
Bridegrooms	Native	8,796	1,059	103	9,958	70.38
	Foreign	1,842	2,151	31	4,024	28.44
	Unknown	34	9	124	167	1.18
Brides	Whole No. of each nativity and total.	10,672	3,219	258	14,149	.....
	Per cent. of each nativity and total	75.43	22.75	1.82	.....	100.00

TABLE VI.—*Exhibiting, by Sex, the Nativity of Persons returned as having been Married in Michigan during the Year 1880.*

NATIVITY.	Marriages, 1880.		Population June 1, 1880, Represented by Marriages in 1880.			Persons Married, 1880.					
						Number.			Per Cent. of Persons Married in 1880 to Population of same nativity June 1, '80.		
	Number.	Per Cent. of Total.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.
Total	14,149	100.00	1,636,882	862,324	774,558	28,298	14,149	14,149	1.73	1.64	1.83
Native	8,796	62.17	1,248,395	642,913	605,482	20,630	9,958	10,672	1.65	1.55	1.76
Foreign	2,151	15.20	388,487	219,411	169,076	7,243	4,024	3,219	1.86	1.83	1.90
Foreign Male and Native Female	1,842	13.02	.....	.....	.....	.....	.....	.....	.....	.....	.....
Foreign Female and Native Male	1,059	7.48	.....	.....	.....	.....	.....	.....	.....	.....	.....
Unknown	* 301	2.13	.....	.....	.....	425	167	258	.....	.....	.....
One or Both Native	11,834	83.64	.....	.....	.....	.....	.....	.....	.....	.....	.....
ne or Both Foreign	5,092	35.99	.....	.....	.....	.....	.....	.....	.....	.....	.....

Includes cases where one or both are unknown.

Some interesting facts concerning the marriage-rate of the native and foreign-born inhabitants are shown in Table VI. The rate among the foreign-

born is greater than the rate for either the native or the total for all nativities. But the teaching of this table is not strictly correct, for the reason that the statement of the number of native-born inhabitants includes children at all ages, and it is a well known fact that the foreign-born population consists largely of persons at marriageable ages. If the statement of the population of each nativity was made from persons 15 years and over, it would be found that the marriage-rate among the native-born inhabitants is much larger than is stated in this table.

AGES OF PERSONS MARRIED.

The average age of persons married in Michigan in each of the years 1877–1880 may be seen in the following exhibit. The average age is given, by sex, for all nativities, native, foreign, and unknown. The average annual age of the males of all nativities for the seven years 1874–1880 is 28.07 years, and the average annual age of the females of all nativities for the same period of years is 22.76 years. The difference between the average ages of the males and the females is 5.31 years.

EXHIBIT C.—*By Nativity, the Average Age of Persons Married in Michigan in 1877–1880, inclusive, according to the Returns.*

Nativity of Persons Married.	1877.		1878.		1879.		1880.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
All nativities	28.25	23.06	28.01	22.91	28.01	23.00	28.08	23.20
Native	27.76	22.59	27.46	22.54	27.48	22.65	27.59	22.82
Foreign	29.53	24.63	29.51	24.28	29.42	24.28	29.29	24.42
Unknown	27.75	24.36	28.82	23.62	28.00	24.33	28.31	23.37

Many interesting features of Table VII. are omitted because of the lack of statistics of the inhabitants, such as the population at each age and period of age, and the per cent. of marriages to population of corresponding ages. The table, however, still contains much that is valuable and worthy of study. It shows the total number of persons married in Michigan in 1880, and the number and proportion of each sex at different periods of age. Over 70 per cent. of all the males married in Michigan in 1880 were between the ages of 20 and 30 years, and over 50 per cent. of the females were married at the same period of age. Between the ages of 21 and 25 years the proportion of the sexes is nearer equal than at any other period.

Exhibit 2, page 85, shows for the year 1880 the number of males and females married in Michigan at each age, and the excess of the sexes. The greatest excess of males is at the age of twenty-five years, and the greatest excess of females is at the age of eighteen. The excess of females only occurs at the ages of twenty-one years and under, with the exception of fifty-three, the males being in excess at every other age specified.

TABLE VII.—*By Sex, and Periods of Age, the Number and Per Cent. of Total Number of Persons Married at each Age and Period of Age, during the Year 1880; and the Per Cent. of each Sex at each Age and Period of Age to the Total Number of both Sexes.*

AGES IN YEARS AND PERIODS.	MARRIAGES, 1880.						
	Total Number of Persons Married.	MALES.			FEMALES.		
		Number Married.	Per Cent. of Total Marriages.	Per Cent. of Persons Married at Corresponding Ages.	Number Married.	Per Cent. of Total Marriages.	Per Cent. of Persons Married at Corresponding Ages.
All ages	28,298	14,149	100.00	50.00	14,149	100.00	50.00
12	1	.....	.....	.....	1	.01	100.00
13	4	.....	.....	.....	4	.03	100.00
14	24	.....	.....	.....	24	.17	100.00
15	122	2	.01	1.64	120	.84	98.36
16	757	.....	.....	.....	757	5.35	100.00
17	1,072	9	.06	.84	1,063	7.51	99.16
18	1,638	91	.64	5.56	1,547	10.93	94.44
19	1,752	247	1.75	14.10	1,505	10.64	85.91
20	2,015	556	3.93	27.59	1,459	10.31	72.41
21 to 25	9,318	5,265	37.21	56.50	4,053	28.65	43.50
25 to 30	5,974	4,256	30.08	71.24	1,718	12.14	28.76
30 to 35	2,183	1,518	10.73	69.54	665	4.70	30.46
35 to 40	1,230	795	5.62	64.63	435	3.07	35.37
40 to 45	723	442	3.12	61.13	281	1.99	38.87
45 to 50	450	287	2.03	63.78	163	1.15	36.22
50 to 55	320	203	1.43	63.44	117	.83	36.56
55 to 60	236	174	1.23	73.73	62	.44	26.27
60 to 65	161	114	.81	70.81	47	.33	29.19
65 to 70	88	62	.44	70.45	26	.18	29.55
70 to 75	53	49	.35	92.45	4	.03	7.55
75 to 80	15	13	.09	86.67	2	.01	13.33
80 and over	13	11	.08	84.62	2	.01	15.38
Unknown	149	55	.39	36.91	94	.66	63.09
Under 15	29	.....	.....	.....	29	.20	.....
15 to 20	5,341	349	2.47	65.34	4,992	35.28	93.47
20 to 25	11,333	5,821	41.14	51.36	5,512	38.96	48.64

EXHIBIT 2.—*Number of Persons Returned as having been Married in Michigan in 1880, by Sex, and Excess of the Sexes, by Age in Years.*

Ages in Years.	Persons Married in 1880.			Excess.		Ages in Years.	Persons Married in 1880.			Excess.	
	Total.	Males.	Females.	Males.	Females.		Total.	Males.	Females.	Males.	Females.
All ages	28,298	14,149	14,149	.....	.....	48	92	59	33	26	.....
						49	62	41	21	20	.....
12	1	.....	1	.....	1	50	112	76	36	40	.....
13	4	.....	4	.....	4	51	53	31	22	9	.....
14	24	.....	24	.....	24	52	48	35	13	22	.....
15	122	2	120	.....	118	53	50	21	29	.....	8
16	757	.....	757	.....	757	54	57	40	17	23	.....
17	1,072	9	1,063	.....	1,054	55	65	43	22	21	.....
18	1,638	91	1,547	.....	1,456	56	62	51	11	40	.....
19	1,752	247	1,505	.....	1,258	57	39	31	8	23	.....
20	2,015	556	1,459	.....	903	58	35	26	9	17	.....
21	2,464	1,154	1,310	.....	156	59	35	23	12	11	.....
22	2,439	1,318	1,121	197	.....	60	45	33	12	21	.....
23	2,338	1,459	879	580	.....	61	33	25	8	17	.....
24	2,077	1,334	743	591	.....	62	29	22	7	15	.....
25	1,633	1,122	511	611	.....	63	26	15	11	4	.....
26	1,444	1,026	418	608	.....	64	28	19	9	10	.....
27	1,113	821	292	529	.....	65	24	15	9	6	.....
28	1,053	762	291	471	.....	66	19	13	6	7	.....
29	731	525	206	319	.....	67	13	11	2	9	.....
30	694	481	213	268	.....	68	21	14	7	7	.....
31	390	264	126	138	.....	69	11	9	2	7	.....
32	449	311	138	173	.....	70	24	22	2	20	.....
33	338	246	92	154	.....	71	10	9	1	8	.....
34	312	216	96	120	.....	72	7	7	.....	7	.....
35	353	239	114	125	.....	73	8	8	.....	8	.....
36	265	164	101	63	.....	74	4	3	1	2	.....
37	193	121	72	49	.....	75	7	6	1	5	.....
38	231	158	73	85	.....	76	3	2	1	1	.....
39	188	113	75	38	.....	77	3	3	.....	3	.....
40	227	151	76	75	.....	78	1	1	.....	1	.....
41	113	65	48	17	.....	79	1	1	.....	1	.....
42	154	87	67	20	.....	80	8	6	2	4	.....
43	129	77	52	25	.....	81	2	2	.....	2	.....
44	100	62	38	24	.....	83	1	1	.....	1	.....
45	127	77	50	27	.....	84	1	1	.....	1	.....
46	98	63	35	28	.....	85	1	1	.....	1	.....
47	71	47	24	23	.....	Unk..	149	55	49	.....	39

TABLE VIII.—*Exhibiting for the State and Counties, by Sex, the Nativity and Age in Periods of Years, of Persons Returned as having been Married in Michigan during the year ending December 31, 1880.*

STATE AND COUNTIES.	Number of Couples Married, 1880.	Nativity of Persons Married, 1880, Stated by Couples.									Sex Stated.	Marriages at Different Ages, Stated in Periods of Years, 1880.															
		Both Native.	Both Foreign.	Foreign Males, Native Females.	Foreign Females, Native Males.	Females Unknown. Males. Native.	Females Unknown. Males. Foreign.	Males Unknown. Females. Native.	Males Unknown. Females. Foreign.	Both Unknown.		Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
STATE. ....a	14,149	8,796	2,151	1,842	1,069	b 103	b 31	c 34	d 9	e 124	Total....	5,370	11,333	5,974	2,183	1,230	723	450	320	236	161	88	53	15	13	149
											Males....	349	5,821	4,256	1,518	795	442	287	203	174	114	62	49	13	11	55
											Females.	5,021	5,512	1,718	665	435	281	163	117	62	47	26	4	2	2	94
Alcona.....	12	5	2	3	2	.....	.....	.....	.....	.....	Males....	.....	1	3	7	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
											Females.	3	4	3	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Allegan.....	358	281	25	33	18	1	.....	.....	.....	.....	Males....	8	157	111	28	16	9	5	5	8	5	2	3	.....	1	.....
											Females.	144	127	40	11	14	7	5	6	2	1	.....	.....	.....	.....	1
Alpena.....	60	13	31	6	9	.....	1	.....	.....	.....	Males....	1	21	16	9	5	2	.....	.....	.....	.....	1	.....	.....	.....	5
											Females.	16	19	8	7	2	1	1	.....	.....	.....	.....	.....	.....	.....	6
Antrim.....	39	22	6	7	4	.....	.....	.....	.....	.....	Males....	1	13	12	3	2	2	2	2	.....	.....	1	.....	.....	.....	1
											Females.	16	11	1	3	1	3	2	1	.....	.....	.....	.....	.....	.....	1
Baraga.....	13	4	1	7	1	.....	.....	.....	.....	.....	Males....	.....	3	6	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
											Females.	4	8	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Barry.....	232	202	7	20	2	.....	.....	1	.....	.....	Males....	13	114	56	22	8	8	2	2	2	3	.....	2	.....	.....	.....
											Females.	98	82	25	8	7	3	5	2	.....	1	.....	.....	.....	1	.....
Bay.....	217	69	74	46	28	.....	.....	.....	.....	.....	Males....	4	79	78	23	16	9	2	3	1	2	.....	.....	.....	.....	.....
											Females.	90	87	18	8	5	4	2	2	.....	1	.....	.....	.....	.....	.....
Benzie.....	33	20	3	5	5	.....	.....	.....	.....	.....	Males....	1	22	7	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
											Females.	16	11	2	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Berrien.....	458	364	21	37	20	10	.....	.....	.....	6	Males....	13	211	121	37	18	19	10	12	4	6	4	.....	.....	.....	3
											Females.	151	187	50	22	17	8	12	3	.....	4	1	.....	.....	.....	3
Branch.....	284	255	9	9	9	2	.....	.....	.....	.....	Males....	9	132	70	24	9	15	8	5	4	4	2	2	.....	.....	.....
											Females.	110	98	31	17	13	8	3	1	3	.....	.....	.....	.....	.....	.....
Calhoun....	354	294	5	32	16	5	.....	1	.....	1	Males....	6	130	107	43	19	14	6	7	3	3	5	5	1	.....	5
											Females.	116	135	44	11	14	16	3	1	3	2	1	1	.....	.....	7

Cass	220	197	2	12	6	.....	.....	3	.....	....	Males	3	112	69	14	4	7	4	1	4	....	1	1	....	....	....
											Females	82	96	23	7	3	2	2	....	3	....	1	....	....	....	1
Charlevoix	25	11	5	6	3	.....	.....	.....	.....	....	Males	.....	6	10	4	3	....	....	2	....	....	....	....	....	....	....
											Females	14	3	4	1	1	1	....	....	1	....	....	....	....	....	....
Cheboygan	56	16	19	13	7	.....	.....	.....	.....	1	Males	2	20	19	8	2	2	2	....	1	....	....	....	....	....	....
											Females	29	16	5	1	3	1	....	....	1	....	....	....	....	....	....
Chippewa	20	1	14	3	2	.....	.....	.....	.....	....	Males	.....	10	7	3	....	....	....	....	....	....	....	....	....	....	....
											Females	8	10	2	.....	....	....	....	....	....	....	....	....	....	....	....
Clare	39	21	2	7	8	.....	.....	.....	.....	1	Males	.....	18	14	2	1	1	....	....	1	....	....	....	....	....	2
											Females	25	10	1	.....	1	....	....	....	....	....	....	....	....	....	2
Clinton	244	194	8	24	14	1	.....	2	.....	1	Males	5	115	73	19	10	5	3	5	4	1	2	1	....	....	1
											Females	101	100	18	6	5	5	1	4	2	....	1	....	....	....	1
Crawford	13	8	.....	3	1	.....	.....	.....	1	....	Males	1	4	3	1	....	1	....	2	....	....	1	....	....	....	....
											Females	5	3	2	1	1	....	1	....	....	....	....	....	....	....	....
Delta	68	11	36	13	5	1	1	1	.....	....	Males	2	23	24	9	4	3	2	....	....	....	....	....	....	....	1
											Females	29	20	4	7	5	1	1	....	....	....	....	....	....	....	1
Eaton	266	238	2	16	7	2	.....	1	.....	....	Males	11	115	76	21	15	3	5	5	5	3	2	3	2	....	....
											Females	88	112	27	15	6	4	3	3	....	3	2	....	....	....	3
Emmet	51	33	7	7	3	1	.....	.....	.....	....	Males	2	21	10	3	5	1	3	3	2	....	....	1	....	....	....
											Females	25	13	2	4	2	3	1	1	....	....	....	....	....	....	....
Genesee	334	254	14	34	22	2	2	.....	1	5	Males	10	137	97	42	22	11	5	4	2	2	1	....	....	....	1
											Females	118	138	41	17	8	8	2	1	....	....	....	....	....	....	1
Gladwin	4	2	.....	2	.....	.....	.....	.....	.....	....	Males	.....	.....	1	2	....	1	....	....	....	....	....	....	....	....	....
											Females	.....	1	2	.....	1	....	....	....	....	....	....	....	....	....	....
Gr. Traverse	73	35	7	21	8	1	1	.....	.....	....	Males	5	31	25	6	2	2	....	1	1	....	....	....	....	....	....
											Females	33	26	9	1	1	2	....	1	....	....	....	....	....	....	....
Gratiot	191	159	7	14	9	.....	.....	.....	.....	2	Males	9	87	57	14	5	6	4	1	2	....	1	3	....	1	1
											Females	96	56	22	5	3	3	....	3	....	....	2	....	....	....	1
Hillsdale	395	366	2	17	6	3	.....	.....	.....	1	Males	19	196	93	20	18	11	11	5	6	5	2	2	....	1	1
											Females	145	148	46	22	14	5	4	4	1	2	1	1	....	....	2
Houghton	169	22	109	29	9	.....	.....	.....	.....	....	Males	4	62	63	24	9	4	2	1	....	....	....	....	....	....	....
											Females	57	82	14	5	4	3	2	1	....	1	....	....	....	....	....
Huron	134	24	60	28	16	2	2	.....	.....	2	Males	2	60	43	11	8	3	2	2	....	1	1	....	....	....	1
											Females	69	37	16	1	4	1	3	2	....	....	....	....	....	....	1

[a] Except county of Isle Royal, from which no returns were received. [b] 1 female "America." [c] 2 males "America."
[d] 3 males "America," [e] 1 couple "America,"

TABLE VIII.—CONTINUED.—*Marriages by Counties, Nativity, and Periods of Age.*

COUNTIES.	Number of Couples Married, 1880.	Nativity of Persons Married, 1880, Stated by Couples.									Sex Stated.	Marriages at Different Ages, Stated in Periods of Years, 1880.														
		Both Native.	Both Foreign.	Foreign Males, Native Females.	Foreign Females, Native Males.	Females Unknown. Males. Native.	Females Unknown. Males. Foreign.	Males Unknown. Females. Native.	Males Unknown. Females. Foreign.	Both Unknown.		Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Ingham	331	276	14	21	16	4	------	------	------	----	Males	9	148	102	30	10	9	4	11	2	1	5	----	----	----	----
											Females	134	118	39	14	6	8	3	3	2	1	1	----	----	----	2
Ionia	318	240	9	32	23	8	------	2	------	4	Males	6	136	91	25	29	8	6	3	4	5	2	1	1	----	1
											Females	115	117	44	16	10	5	3	3	2	1	1	----	----	----	1
Iosco	86	18	41	13	14	------	------	------	------	----	Males	2	26	31	14	6	3	----	1	----	----	----	----	----	----	----
											Females	36	32	7	7	2	----	2	----	----	----	----	----	----	----	----
Isabella	94	68	9	4	8	3	------	------	------	2	Males	2	53	24	5	3	4	2	----	----	----	1	----	----	----	----
											Females	56	29	4	2	----	----	2	1	----	----	----	----	----	----	----
Isle Royal[a]	------	------	------	------	------	------	------	------	------	----	Males	------	------	------	------	----	----	----	----	----	----	----	----	----	----	----
											Females	------	------	------	------	----	----	----	----	----	----	----	----	----	----	----
Jackson	359	287	22	30	14	4	------	------	------	2	Males	14	163	93	26	20	13	6	6	3	2	----	2	----	----	1
											Females	134	135	43	16	9	13	4	1	2	1	----	----	----	----	1
Kalamazoo	265	217	8	*12	13	7	3	2	------	3	Males	9	106	70	33	15	14	5	1	6	2	----	2	----	2	----
											Females	78	104	30	14	11	13	3	2	1	----	----	----	----	----	9
Kalkaska	35	20	4	5	4	------	------	------	------	2	Males	2	7	13	6	3	2	1	----	----	----	----	1	----	----	----
											Females	13	16	1	2	2	----	----	----	----	----	1	----	----	----	----
Kent	618	361	110	91	49	5	------	1	------	1	Males	14	266	164	72	33	22	10	7	13	6	2	1	----	1	1
											Females	200	256	71	27	23	16	8	8	4	2	----	----	1	----	2
Keweenaw	27	1	16	9	1	------	------	------	------	----	Males	------	13	8	3	2	1	----	----	----	----	----	----	----	----	----
											Females	13	9	3	1	1	----	----	----	----	----	----	----	----	----	----
Lake	16	12	3	1	------	------	------	------	------	----	Males	------	9	4	1	1	----	----	----	----	1	----	----	----	----	----
											Females	8	5	1	------	----	----	----	2	----	----	----	----	----	----	----
Lapeer	247	127	30	52	33	3	1	------	------	1	Males	7	111	76	19	9	5	6	4	3	6	1	----	----	----	----
											Females	99	91	26	8	10	5	3	1	3	----	----	----	----	----	----

Leelanaw...	28	16	7	1	4	.....	.....	.....	.....	....	Males....	1	13	8	3	2	....	1	....	....	....	....	....	....	....	....
											Females.	9	15	2	1	1	....	....	....	....	....	....	....	....	....	....
Lenawee....	436	373	9	33	11	2	.....	1	.....	7	Males....	14	183	117	48	28	15	6	4	4	6	4	2	2	2	1
											Females.	139	174	62	24	11	7	4	6	3	2	1	....	1	....	2
Livingston..	151	115	6	13	11	2	.....	.....	.....	4	Males....	5	61	45	14	4	6	6	2	3	2	2	....	....	....	1
											Females.	50	60	16	8	6	4	4	....	2	....	....	....	....	....	1
Mackinac....	23	10	3	8	1	.....	.....	1	.....	....	Males....	.....	8	12	2	....	1	....	....	....	....	....	....	....	....	....
											Females	11	7	4	1	....	....	....	....	....	....	....	....	....	....	....
Macomb.....	252	153	28	54	17	.....	.....	.....	.....	....	Males....	3	115	75	19	15	4	9	3	3	4	....	2	....	....	....
											Females.	95	107	23	7	5	3	5	4	2	1	....	....	....	....	....
Manistee....	101	33	47	11	7	1	2	.....	.....	....	Males....	3	33	34	13	9	4	1	1	2	1	....	....	....	....	....
											Females.	29	46	13	6	3	....	1	2	1	....	....	....	....	....	....
Manitou.....	7	3	2	1	1	.....	.....	.....	.....	....	Males....	.....	3	2	.....	2	....	....	....	....	....	....	....	....	....	....
											Females.	1	3	2	.....	1	....	....	....	....	....	....	....	....	....	....
Marquette..	157	24	108	16	9	.....	.....	.....	.....	....	Males....	4	57	58	18	12	2	3	....	....	....	....	....	....	....	3
											Females.	46	63	26	9	5	2	2	....	....	....	....	....	....	....	4
Mason.....	107	40	28	25	9	1	2	.....	.....	2	Males....	.....	30	25	18	8	4	4	1	3	....	....	1	1	....	2
											Females.	32	40	16	2	5	5	3	1	....	1	....	....	....	....	2
Mecosta.....	125	64	21	22	17	.....	.....	1	.....	....	Males....	1	41	38	21	11	4	3	1	2	1	1	1	....	....	....
											Females.	48	50	11	6	3	1	1	....	3	1	....	....	....	....	1
Menominee.	120	27	50	29	9	.....	3	.....	1	1	Males....	1	35	51	13	14	1	1	1	1	....	....	....	....	....	2
											Females.	36	46	21	6	5	3	1	....	....	....	....	....	....	....	2
Midland.....	50	32	5	4	8	1	.....	.....	.....	....	Males...	1	20	14	5	5	2	1	1	....	....	....	....	....	1	....
											Females.	23	12	3	6	3	....	2	....	....	....	....	1	....	....	....
Missaukee..	13	3	3	4	3	.....	.....	.....	.....	....	Males....	.....	7	3	1	....	1	....	1	....	....	....	....	....	....	....
											Females.	6	3	1	1	....	1	1	....	....	....	....	....	....	....	....
Monroe.....	314	229	17	42	16	4	3	.....	.....	3	Males....	5	137	107	28	11	8	8	3	2	1	1	....	1	....	2
											Females.	106	134	26	19	12	4	5	3	2	1	....	....	....	....	2
Montcalm...	289	193	37	32	20	3	.....	.....	.....	4	Males....	9	118	87	30	19	10	2	7	4	2	1	....	....	...	....
											Females.	141	85	27	14	4	8	5	2	1	2	....	....	....	....	....
Muskegon...	290	127	95	41	22	1	2	2	.....	....	Males....	8	110	90	40	17	10	7	2	1	1	....	....	....	1	3
											Females.	103	107	40	19	10	3	2	1	....	2	....	....	....	....	3
Newaygo ...	132	95	8	20	9	.....	.....	.....	.....	....	Males....	5	61	40	12	6	3	2	1	....	1	1	....	....	....	....
											Females	77	36	9	2	4	2	1	....	1	....	....	....	....	....	....

* No returns from county clerk.

TABLE VIII.—CONTINUED.—*Marriages by Counties, Nativity, and Periods of Age.*

COUNTIES.	Number of Couples Married, 1880.	Nativity of Persons Married, 1880, Stated by Couples.									Sex Stated.	Marriages at Different Ages, Stated in Periods of Years, 1880.														
		Both Native.	Both Foreign.	Foreign Males, Native Females.	Foreign Females, Native Males.	Females Unknown. Males. Native.	Females Unknown. Males. Foreign.	Males Unknown. Females. Native.	Males Unknown. Females. Foreign.	Both Unknown.		Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Oakland	286	224	7	31	19	1	.....	.....	.....	4	Males	7	100	96	36	19	9	7	2	4	3	1	1	1	....	....
											Females	78	116	57	14	9	3	4	4	1	....	....	....	....	....	....
Oceana	111	75	8	20	5	1	.....	1	.....	1	Males	1	48	37	8	8	2	2	1	2	....	1	1	....	....	....
											Females	50	34	11	5	5	1	....	2	....	1	2	....	....	....	....
Ogemaw	6	.....	3	2	.....	1	.....	.....	.....	....	Males	....	.....	2	1	1	1	1	....	....	....	....	....	....	....	....	....
											Females	.....	3	2	.....	....	....	....	....	1	....	....	....	....	....	....
Ontonagon	14	11	1	2	.....	.....	.....	.....	.....	....	Males	.....	7	6	1	....	....	....	....	....	....	....	....	....	....	....
											Females	10	4	.....	.....	....	....	....	....	....	....	....	....	....	....	....
Osceola	117	62	25	16	14	.....	.....	.....	.....	....	Males	1	52	36	16	2	4	2	2	1	....	....	....	....	....	1
											Females	47	50	13	3	1	2	....	....	....	....	....	....	....	....	1
Oscoda[a]	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	Males	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....
											Females	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....
Otsego	23	11	5	2	4	1	.....	.....	.....	....	Males	.....	10	8	2	1	....	1	1	....	....	....	....	....	....	....
											Females	13	6	2	.....	1	....	....	....	....	....	....	....	....	....	1
Ottawa	270	159	45	34	21	[b] 5	[b] 2	.....	[c] 2	[d] 2	Males	8	107	72	28	22	10	6	8	2	6	1	....	....	....	....
											Females	87	106	33	11	10	8	5	3	2	....	4	....	....	....	1
Presque I.	9	.....	6	1	2	.....	.....	.....	.....	....	Males	.....	2	6	1	....	....	....	....	....	....	....	....	....	....	....
											Females	4	4	.....	1	....	....	....	....	....	....	....	....	....	....	....
Roscommon	10	4	4	1	.....	1	.....	.....	.....	....	Males	.....	5	2	.....	2	1	....	....	....	....	....	....	....	....	....
											Females	1	5	2	2	....	....	....	....	....	....	....	....	....	....	....
Saginaw	485	210	109	106	59	1	.....	.....	.....	....	Males	10	180	161	65	24	12	5	6	8	1	....	1	....	....	3
											Females	172	188	70	28	13	6	3	1	....	1	....	....	....	....	3
Sanilac	124	25	46	32	21	.....	.....	.....	.....	....	Males	1	66	35	5	8	4	3	2	....	....	....	....	....	....	....
											Females	60	44	9	3	5	1	1	1	....	....	....	....	....	....	....
Schoolcraft	7	4	.....	2	1	.....	.....	.....	.....	....	Males	.....	1	3	1	1	1	....	....	....	....	....	....	....	....	....
											Females	4	2	1	.....	....	....	....	....	....	....	....	....	....	....	....

Shiawassee..	200	146	12	26	11	1	.....	.....	.....	4	Males....	7	79	53	25	11	5	6	3	5	1	....	1	....	....	4
											Females	82	64	23	12	2	4	4	3	2	1	....	....	....	....	3
St. Clair	376	119	119	71	52	1	3	[e] 5	[c] 2	4	Males....	6	151	117	40	23	9	13	3	8	3	....	1	....	....	2
											Females.	137	149	42	12	11	9	3	2	2	1	....	1	....	....	7
St. Joseph....	325	290	6	18	7	.....	.....	1	.....	3	Males....	11	135	89	30	23	12	6	3	7	4	3	2	....	....	....
											Females.	123	110	47	19	11	6	....	1	3	5	....	....	....	....	....
Tuscola.....	195	100	36	38	21	.....	.....	.....	.....	....	Males....	3	86	60	22	10	3	5	1	3	1	1	....	....	....	....
											Females.	79	74	23	7	2	1	4	4	....	....	1	....	....	....	....
Van Buren..	264	233	3	14	9	3	.....	1	.....	1	Males....	10	107	69	27	8	9	6	12	6	5	1	1	2	....	1
											Females.	103	84	38	11	7	7	5	2	2	2	2	....	....	....	1
Washtenaw.	322	214	27	43	34	2	.....	2	.....	....	Males....	7	107	105	46	21	10	9	4	6	3	2	1	....	1	....
											Females.	55	163	44	31	10	6	5	3	1	2	2	....	....	....	....
Wayne.....	1,599	599	461	294	184	3	3	5	2	48	Males....	20	582	511	225	104	53	40	25	16	9	4	4	2	....	4
											Females.	373	749	263	78	56	33	10	15	2	4	2	....	....	1	13
Wexford....	53	25	10	9	6	2	.....	.....	.....	1	Males....	1	17	17	6	4	2	3	....	....	1	1	....	....	....	1
											Females.	17	16	7	4	5	2	....	....	1	....	....	....	....	....	1

[a] County clerk says there were no marriages in 1880. [b] 1 female "America." [c] 2 males "America." [d] 1 couple "America."
[e] 1 male "America."

According to Table IX. 7,385 persons were married in this State during the year 1880, who were under the age of twenty-one years, of which number 905 were males, and 6,480 were females. Over 45 per cent. of all the females married in 1880 were under the age of 21 years. The number of persons married under 21 years of age in Michigan in each of the years 1869–1880 is as follows: 1869, 4,390; 1870, 4,905; 1871, 5,425; 1872, 5,286; 1873, 5,539; 1874, 5,946; 1875, 6,017; 1876, 6,122; 1877, 6,100; 1878, 6,894; 1879, 7,109; and 1880, 7,385. This shows, with a few exceptions, a gradual increase from year to year. In the year 1880, 11 males and 149 females were married in Michigan who were not of legal marriageable age. Only males who have attained the full age of 18 years, and females who have attained the full age of 16 years, are capable in law of contracting marriage.

TABLE IX.—*Exhibiting, for the State and Counties, the Total Number, and Number of each Sex under 21 years of Age; and the Number of each Sex at each Age under that of 21 years, Returned as having been Married in Michigan during the year ending December 31, 1880.*

STATE AND COUNTIES.	Persons Married Under 21 Years of Age, 1880.			Ages of Males, 1880.					Ages of Females, 1880.								
	Total.	Males.	Females.	Twenty.	Nineteen.	Eighteen.	Seventeen.[a]	Fifteen.[a]	Twenty.	Nineteen.	Eighteen.	Seventeen.	Sixteen.	Fifteen.[a]	Fourteen.[a]	Thirteen.[a]	Twelve.[a]
STATE	7,385	905	6,480	556	247	91	9	2	1,459	1505	1547	1063	757	120	24	4	1
Alcona	5	.....	5	....	....	....	....	....	2	....	2	1	....	....	....	....	....
Allegan	204	22	182	14	5	3	....	....	38	45	42	26	25	6	....	....	....
Alpena	24	2	22	1	....	1	....	....	6	6	8	2	....	....	....	....	....
Antrim	23	2	21	1	....	1	....	....	5	4	1	4	5	1	1	....	....
Baraga	7	.....	7	....	....	....	....	....	3	1	....	....	2	1	....	....	....
Barry	147	29	118	16	11	2	....	....	20	35	26	18	18	...	1	....	....
Bay	127	11	116	7	4	....	....	....	26	30	26	17	14	1	2	....	....
Benzie	21	3	18	2	....	1	....	...	2	7	2	3	2	1	....	....	1
Berrien	231	37	194	24	10	3	....	....	43	52	47	35	13	3	1	....	....
Branch	158	23	135	14	4	5	....	....	25	25	44	25	15	1	....	....	....
Calhoun	168	18	150	12	2	4	...	....	34	47	34	20	15	....	....	....	....
Cass	124	15	109	12	3	....	....	....	27	27	27	17	11	....	....	....	....
Charlevoix	15	.....	15	....	....	....	....	....	1	2	2	4	6	....	....	....	....
Cheboygan	34	2	32	....	1	1	....	....	3	9	10	4	3	2	1	....	....
Chippewa	12	.....	12	....	....	....	....	....	4	1	4	....	3	....	....	....	....
Clare	31	3	28	3	....	....	....	....	3	4	4	9	5	2	1	....	....
Clinton	153	19	134	14	3	2	....	....	33	30	39	19	9	4	....	....	....
Crawford	8	2	6	1	1	....	....	....	1	....	3	2	....	....	....	....	....
Delta	35	3	32	1	2	....	....	....	3	11	9	4	5	....	....	....	....
Eaton	140	20	120	9	7	4	....	....	32	25	29	19	12	2	1	....	....

[a] Not legal marriages. For law and penalty to persons solemnizing, see sections (4719), (4720), (4728) and (4729), Compiled Laws of 1871, pages 1462, 1463, and 1464.

TABLE IX.—CONTINUED.—*Persons Married under 21 Years of Age.*

COUNTIES.	Persons Married Under 21 Years of Age, 1880.			Ages of Males, 1880.					Ages of Females, 1880.								
	Total.	Males.	Females.	Twenty.	Nineteen.	Eighteen.	Seventeen.[a]	Fifteen.[a]	Twenty.	Nineteen.	Eighteen.	Seventeen.	Sixteen.	Fifteen.[a]	Fourteen.[a]	Thirteen.[a]	Twelve.[a]
Emmet	31	3	28	1	1	1	....	....	3	6	6	4	7	1	....	1	....
Genesee	184	23	161	13	9	1	....	....	43	36	34	22	24	2	....	....	....
Gladwin	1	.....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....
Grand Traverse	44	5	39	....	2	3	....	....	6	12	5	13	3	....	....	....	....
Gratiot	138	21	117	12	5	3	1	....	21	18	24	24	21	5	3	1	....
Hillsdale	216	34	182	15	17	2	....	....	37	42	47	32	23	1	....	....	....
Houghton	78	9	69	5	3	1	....	....	12	16	24	8	6	2	1	....	....
Huron	87	4	83	2	1	1	....	....	14	18	21	16	11	2	1	....	....
Ingham	190	23	167	14	7	2	....	....	33	43	39	26	22	3	....	1	....
Ionia	173	25	148	19	6	....	....	....	33	33	32	31	16	2	1	....	....
Iosco	53	5	48	3	1	1	....	....	12	11	12	5	8	....	....	....	....
Isabella	76	8	68	6	2	....	....	....	12	7	11	14	21	3	....	....	....
Jackson	206	33	173	19	9	4	1	....	39	29	45	41	15	4	....	....	....
Kalamazoo	119	16	103	7	5	2	1	1	25	28	21	21	7	1	....	....	....
Kalkaska	22	2	20	....	1	1	....	....	7	2	4	3	3	1	....	....	....
Kent	306	38	268	24	111	3	....	....	68	61	71	41	19	7	1	....	....
Keweenaw	15	1	14	1	....	....	....	....	1	3	2	6	1	1	....	....	....
Lake	11	1	10	1	....	....	....	....	2	3	1	3	1	....	....	....	....
Lapeer	143	19	124	12	5	2	....	....	25	30	32	18	15	3	1	....	....
Leelanaw	15	2	13	1	....	1	....	....	4	3	2	2	1	1	....	....	....
Lenawee	217	40	177	26	9	4	1	....	38	47	41	33	16	2	....	....	....
Livingston	76	10	66	5	3	2	....	....	16	16	15	12	6	1	....	....	....
Mackinac	12	.....	12	....	....	....	....	....	1	3	5	2	1	....	....	....	....
Macomb	135	10	125	7	3	....	....	....	30	35	25	23	13	....	1	....	....
Manistee	42	4	38	1	3	....	....	....	9	11	8	5	4	....	1	....	....
Manitou	1	.....	1	....	....	....	....	....	.....	....	....	....	1	....	....	....	....
Marquette	72	6	66	2	3	1	....	....	20	7	13	14	11	1	....	....	....
Mason	45	1	44	1	....	....	....	....	12	9	12	3	7	....	1	....	....
Mecosta	66	5	61	4	....	1	....	....	13	16	14	8	9	1	....	....	....
Menominee	55	4	51	3	1	....	....	....	15	12	10	7	5	2	....	....	....
Midland	29	3	26	2	1	....	....	....	3	7	8	5	1	2	....	....	....
Missaukee	8	.....	8	....	....	....	....	....	2	1	....	1	1	2	1	....	....
Monroe	170	24	146	19	5	....	....	....	40	36	35	19	16	....	....	....	....
Montcalm	192	26	166	17	5	3	....	1	25	32	29	40	26	14	....	....	....

[a] Not legal marriages. For law and penalty to persons solemnizing, see sections (4719), (4720), (4728), and (4729), Compiled Laws of 1871, pages 1462, 1463, and 1464.

TABLE IX.—CONTINUED.—*Persons Married under 21 Years of Age.*

COUNTIES.	Persons Married Under 21 Years of Age, 1880.			Ages of Males, 1880.					Ages of Females, 1880.								
	Total.	Males.	Females.	Twenty.	Nineteen.	Eighteen.	Seventeen.a	Fifteen.a	Twenty.	Nineteen.	Eighteen.	Seventeen.	Sixteen.	Fifteen.a	Fourteen.a	Thirteen.a	Twelve.a
Muskegon	160	21	139	13	5	1	2	....	36	30	28	21	18	5	....	1	....
Newaygo	102	9	93	4	5	....	....	....	16	13	23	17	22	2	....	....	....
Oakland	114	13	101	6	4	3	....	....	23	29	28	8	12	1	....	....	....
Oceana	65	4	61	3	1	....	....	....	11	15	12	10	12	1	....	....	....
Ontonagon	11	.....	11	....	....	....	....	....	1	6	2	1	1	....	....	....	....
Osceola	60	3	57	2	1	....	....	....	10	11	13	9	12	....	2	....	....
Otsego	15	1	14	1	....	....	....	....	1	5	5	2	....	1	....	....	....
Ottawa	143	21	122	13	5	2	1	....	35	23	22	25	16	1	....	....	....
Presque Isle	5	.....	5	....	....	....	....	....	1	....	1	2	....	1	....	....	....
Roscommon	1	.....	1	....	....	....	....	....	.....	....	....	1	....	....	....	....	....
Saginaw	247	27	220	17	8	2	....	....	48	43	57	33	30	8	1	....	....
Sanilac	83	8	75	7	....	1	....	....	15	16	18	11	12	3	....	....	....
Schoolcraft	4	.....	4	....	....	....	....	....	.....	....	2	1	....	1	....	....	....
Shiawassee	114	16	98	9	4	2	1	....	16	20	32	19	10	1	....	....	....
St. Clair	201	21	180	15	4	2	....	....	43	40	51	27	17	2	....	....	....
St. Joseph	170	23	147	12	8	2	1	....	24	37	43	33	10	....	....	....	....
Tuscola	104	10	94	7	3	....	....	....	15	21	14	17	25	1	1	....	....
Van Buren	156	28	128	18	7	3	....	....	25	29	36	13	23	2	....	....	....
Washtenaw	114	21	93	14	3	4	....	....	38	22	17	12	3	1	....	....	....
Wayne	600	61	539	41	18	2	....	....	166	147	133	66	26	1	....	....	....
Wexford	21	2	19	1	....	1	....	....	2	6	3	4	4	....	....	....	....

a Not legal marriages. For law and penalty to persons solemnizing, see sections (4719), (4720), (4728), and (4729), Compiled Laws of 1871, pages 1462, 1463, and 1464.

MANNER OF UNION BY AGES.

The proportion of males and of females married at each period of age may be conveniently studied in Table X. The column headed "Total Males" shows the number of males married at the different periods of age; and the line "Total Females," at the bottom, shows the number of females married at the different periods of age. The manner of union of the males and females by ages, may be traced as follows: In the column mentioned above it may be seen that 349 males under 20 married females as follows: 274 under 20; 63 aged 20 to 25, 8 aged 25 to 30, 1 aged 30 to 35, 35 to 40, 50 to 55, and unknown age. In like manner each number of males in the column of "Total Males" is distributed throughout the table in the respective columns headed with the ages of the females. In the second line from the bottom it may be be seen that of the 5,021 females who were married under 20 years of age, 274 married males under 20; 2,918 married males 20 to 25, 1,376 married males

25 to 30; 307 married males 30 to 35, etc. The last column in the table shows the proportion of males married at each period of age, and the bottom line shows the proportion of females married at each period of age. The greatest per cent. of both males and females appears for those aged 20 to 25 years, 41.14 per cent. of the males were married at these ages, and 38.96 per cent. of the females.

TABLE X.—*Exhibiting the Number of each Sex at each Period of Age who were married in Michigan during the Year 1880; the Number of each Sex at each Period of Age who were united to the opposite Sex at each Period of Age; and the Per Cent. of Brides and of Bridegrooms at each Period of Age to Total at All Ages.*

AGES OF MALES, 1880.	Ages of Females, 1880.															Total Males.	Per Cent. of Grooms at each Age.
	Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unk'n.		
Under 20	274	63	8	1	1	....	....	1	....	....	....	....	....	....	1	349	2.47
20 to 25	2,918	2,532	293	34	11	6	4	....	....	....	....	....	....	....	23	5,821	41.14
25 to 30	1,376	1,972	718	122	48	8	2	1	....	....	....	....	....	....	9	4,256	30.08
30 to 35	307	602	352	178	54	14	3	1	....	....	1	....	....	....	6	1,518	10.73
35 to 40	99	211	182	157	97	30	13	4	....	1	....	....	....	....	1	795	5.62
40 to 45	18	74	86	79	86	72	13	8	2	3	....	....	....	....	1	442	3.12
45 to 50	15	33	39	50	64	35	38	8	2	1	....	....	....	....	2	287	2.03
50 to 55	9	10	22	22	29	50	37	18	5	1	....	....	....	....	....	203	1.43
55 to 60	2	7	10	15	27	35	21	27	21	6	1	....	....	....	2	174	1.23
60 to 65	.....	2	4	5	11	14	16	23	19	14	5	....	....	1	....	114	.81
65 to 70	.....	.....	.....	2	5	9	9	15	5	10	7	....	....	....	....	62	.44
70 to 75	1	.....	.....	....	2	5	4	10	7	8	6	3	1	1	1	49	.35
75 to 80	.....	3	.....	....	....	3	3	....	....	1	3	....	....	....	....	13	.09
80 and over	.....	.....	2	....	....	....	....	1	1	2	3	1	1	....	....	11	.08
Unknown	2	3	2	....	....	....	....	....	....	....	....	....	....	....	48	55	.39
Total Females	5,021	5,512	1,718	665	435	281	163	117	62	47	26	4	2	2	94	14,149	.....
Per Ct. of Brides at each age	35.49	38.96	12.14	4.70	3.07	1.99	1.15	.83	.44	.33	.18	.03	.01	.01	.66	.....	100.00

The number of marriages in Michigan during the year 1880, in which there was great disparity of age between the male and female may be seen in Table XI. According to the returns of 1880, the greatest disparity between the respective ages of the bridegroom and bride appears for the couple who were married in Kalamazoo county, the bridegroom being reported as 85 years old, and the bride as 27. Among those cases where the bride was returned as the older, the greatest disparity is returned from Ottawa county, the bridegroom being reported as 32 years, and the bride as 68 years old.

TABLE XI.—*Marriages with Great Disparity of Ages Retnrned as having been Solemnized in Michigan during the Year ending December 31, 1880.*

COUNTIES.	BRIDEGROOM OLDEST,—1880.					BRIDE OLDEST,—1880.				
	OCCUPATION OF BRIDEGROOM.	BIRTHPLACE.		AGE.		OCCUPATION OF BRIDEGROOM.	BIRTHPLACE.		AGE.	
		Bridegroom.	Bride.	Bridegroom.	Bride.		Bridegroom.	Bride.	Bridegroom.	Bride.
Alcona	Lumberman	Ireland	Tennessee	34	18					
Allegan	Farmer Laborer	Canada Ohio	Canada Ohio	72 48	48 19					
Alpena	Farmer	Atlantic Ocean	Canada	66	45					
Antrim	Blacksmith	Michigan	Michigan	67	31	Farmer	Wisconsin	Canada	31	43
Baraga	Laborer	Canada	Michigan	34	16					
Barry	Farmer	Ohio	Michigan	56	25	Farmer	Germany	Michigan	19	53
Bay	Druggist	New York	Michigan	36	18	Laborer	Sweden	Sweden	34	47
Benzie	Farmer	Michigan	Michigan	24	12	Farmer	Mass.	Indiana	23	31
Berrien	Barber	Ohio	Michigan	46	20	Farmer	Sweden	New York	40	61
Branch	Farmer	Pennsylvania	Ohio	60	27	Farmer	New York	Michigan	18	35
Calhoun	Farmer	New York	New York	76	42	Farrier	Canada	New York	40	53
Cass	Grocer	Pennsylvania	Indiana	59	32					
Charlevoix	Farmer	Russia	New York	34	16					
Cheboygan	Fisherman	Norway	Canada	49	17					
Clare	Merchant	Vermont	England	58	23					
Clinton	Farmer	Connecticut	Illinois	57	19	Farmer	Michigan	New York	22	39
Crawford	Farmer	Michigan	Canada	44	18					
Delta	Carpenter	Canada	Canada	42	21	Saloon-keeper	Denmark	Sweden	26	35
Eaton	Salesman	New York	Michigan	68	30	Fireman	New York	Michigan	21	31
Emmet	Farmer	New York	Canada	49	19					
Genesee	Farmer	Rhode Island	Canada	64	16	Farmer	Michigan	Michigan	23	33

Gladwin	Farmer	Ohio	Ohio	41	26					
Grand Traverse	Farmer	New Jersey	Illinois	34	18					
Gratiot	Carpenter	New York	New York	48	17					
Hillsdale	Farmer	New York	Ohio	63	31	Farmer	Ohio	Ohio	28	40
Houghton	Light-house Keeper	Canada	Ireland	35	19	Laborer	Finland	Norway	38	61
Huron	Carpenter	Pennsylvania	Pennsylvania	50	16	Mason	Canada	Canada	38	50
Ingham	Merchant	New York	Michigan	53	23	Farmer	Michigan	New York	21	33
Ionia	Laborer	New York	Michigan	64	26	Farmer	Ohio	New York	31	41
Iosco	Farmer	Michigan	Michigan	50	25	Laborer	Germany	Canada	30	45
Isabella	Farmer	Michigan	Unknown	38	17					
Jackson	Shoe-maker	Ohio	New York	37	17					
Kalamazoo	Farmer	Michigan	Michigan	85	27	Farmer	New York	New York	35	46
Kalkaska	Lumberman	Germany	Germany	40	22					
Kent	Nurseryman	Ohio	Michigan	47	18	Shoe-maker	Canada	Ireland	21	45
Keweenaw	Boiler-maker	Ireland	Michigan	42	15					
Lake						Lumberman	New York	Ohio	39	51
Lapeer	Farmer	New York	Michigan	45	21	Farmer	Michigan	Michigan	19	33
Leelanaw	Blacksmith	Bohemia	Bohemia	45	20					
Lenawee	Farmer	New York	Scotland	79	24	Farmer	Germany	Michigan	22	32
Livingston	Lumberman	Canada	Michigan	54	19					
Mackinac	Farmer	Michigan	Michigan	43	17					
Macomb	Farmer	Michigan	Michigan	47	26	Farmer	Michigan	Michigan	28	40
Manistee	Farmer	Canada	Pennsylvania	53	26	Carpenter	Ohio	New York	42	55
Marquette	Mason	Canada	Ohio	45	23	Laborer	Sweden	Sweden	23	45
Mason	Unknown	New York	Canada	76	23	Laborer	Sweden	Sweden	31	51
Mecosta	Mason	Ohio	Michigan	40	16					
Midland	Farmer	New York	Michigan	40	21	Farmer	Michigan	New York	28	45

TABLE XI.—CONTINUED.—*Marriages with great Disparity of Ages.*

COUNTIES.	BRIDEGROOM OLDEST,—1880.					BRIDE OLDEST,—1880.				
	OCCUPATION OF BRIDEGROOM.	BIRTHPLACE.		AGE.		OCCUPATION OF BRIDEGROOM.	BIRTHPLACE.		AGE.	
		Bridegroom.	Bride.	Bridegroom.	Bride.		Bridegroom.	Bride.	Bridegroom.	Bride.
Missaukee						Laborer	Canada	Indiana	26	46
Monroe	Paper-maker	Massachusetts	Vermont	75	47	Harness-maker	Ohio	New York	45	58
Montcalm	Unknown	Denmark	Denmark	44	23	Mason	Canada	Virginia	42	60
Muskegon	Laborer	Sweden	Sweden	49	20	Laborer	Canada	Michigan	23	33
Newaygo	"Wood-maker"	New York	Michigan	49	17	Farmer	Missouri	Michigan	23	36
Oakland	Farmer	New Jersey	Michigan	77	21	Farmer	Michigan	New York	22	32
Oceana	Farmer	Michigan	Michigan	46	17	Mason	Canada	New York	25	36
Ogemaw	Farmer	New York	Unknown	42	23	Farmer	Canada	New York	46	56
Osceola	Carpenter	New York	Indiana	55	21	Laborer	Sweden	Sweden	34	43
Ottawa	Farmer	Ohio	Netherlands	50	19	Lumberman	Netherlands	Netherlands	32	68
Saginaw	Engineer	New Hampshire	Michigan	58	15	Miller	Bavaria	Germany	32	42
Sanilac	Hotel-keeper	New York	Ontario	49	23	Laborer	Michigan	Pennsylvania	26	37
Shiawassee	Farmer	New York	California	48	26	Farmer	New York	Michigan	25	40
St. Clair	Unknown	Ontario	Ontario	52	18	Unknown	England	Ontario	35	45
St. Joseph	Builder	New York	Michigan	48	20	Merchant	England	Ohio	29	41
Tuscola	Farmer	New York	New York	45	24	Farmer	Ontario	New York	38	50
Van Buren	Farmer	Ohio	Indiana	49	19					
Washtenaw	Farmer	Virginia	Canada	55	30	Laborer	New York	Canada	28	54
Wayne	Workman	Germany	Germany	74	17	Farmer	England	Maine	24	40
Wexford	Shoe-maker	Norway	Pennsylvania	45	19	Laborer	Vermont	Canada	29	42

EXHIBIT D.—*Number of Inhabitants to One Marriage, as stated for Different Foreign Countries, the United States, and some of the States of the Union. The Statements for Michigan include only the Inhabitants of Counties Represented by Returns of Marriages.*

COUNTRY, STATE, OR CITY.	Year for which the Statement is made.	Inhabitants to one Marriage Annually.		COUNTRY, STATE, OR CITY.	Year for which the Statement is made.	Inhabitants to one Marriage Annually.
Austria	.....	117	Taken from "Statistics of Minnesota for 1869."	Massachusetts[b]	1871	95
Bavaria	.....	160		Massachusetts[b]	1872	95
Belgium	.....	122		Massachusetts[b]	1873	96
Denmark	.....	129		Massachusetts[b]	1874	103
England	.....	122		Massachusetts[b]	1875	121
Finland	.....	141		Massachusetts[b]	1876	129
France	.....	122		Massachusetts[b]	1877	130
Greece	.....	174		Massachusetts[b]	1878	129
Holland	.....	129		Massachusetts[b]	1879	124
Norway	.....	124		Massachusetts[b]	1880	114
Prussia	.....	106		New Jersey[c]	1870	135
Russia	.....	111		New York City[d]	1870	118
Saxony	.....	107		Michigan[e f]	1872	117
Spain	.....	141		Michigan[e f]	1873	110
Sweden	.....	135		Michigan[e f]	1874	110
United States	1860	122		Michigan[e]	1874	109
New York	1860	135		Michigan[e f]	1875	117
Ohio	.....	105		Michigan[e f]	1876	121
Minnesota	1860	110		Michigan[e f]	1877	125
Minnesota	1868	107		Michigan[e f]	1878	120
Minnesota[a]	1870	116		Michigan[e f]	1879	115
Massachusetts[b]	1870	99		Michigan[e]	1880	116

[a] Taken from Statistics of Minnesota for 1870.
[b] Taken from Registration Report of Massachusetts for 1880, page 21.
[c] There were 16 Townships from which no returns of marriages were received. Computed from data in Registration Report of New Jersey for 1870.
[d] Computed from data in Report of Metropolitan Board of Health for 1870.
[e] Marriages corrected, for additional returns, up to May 11, 1882.
[f] Population estimated from Censuses of 1870 and 1880.

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TABLE XII.—*Exhibiting, for the State and Counties, the Number of Marriages in Michigan during each of the Years 1874 to 1880, inclusive, Returned previous to May 11, 1882; for the Years 1877, 1878, and 1879, the Number as first Returned, and the Number Returned since Compilation; the Number of Inhabitants in 1880; the Number of Inhabitants in 1880 to One Marriage in 1880; and the Per Cent. of Marriages in 1880 to Inhabitants in 1880.*

STATE AND COUNTIES.	MARRIAGES.													Population, 1880, Represented by Marriages in 1880.	Number of Inhabitants in 1880 to one Marriage in 1880.	Per Cent. of Marriages in 1880 to Population in 1880.
	1874.	1875.	1876.	1877.			1878.			1879.			1880.			
	Number Returned previous to May 11, 1882.	Number Returned previous to May 11, 1882.	Number Returned previous to May 11, 1882.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to May 11, 1882.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to May 11, 1882.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to May 11, 1882.	Number Returned.			
STATE	12,264	11,851	11,879	11,009	818	11,827	12,221	565	12,786	13,225	516	13,741	14,149	1,636,882	116	.86
Alcona	10	13	6	9	--------	9	6	--------	6	19	--------	19	12	3,107	259	.39
Allegan	279	299	306	266	7	273	275	12	287	315	8	323	358	37,815	106	.95
Alpena	62	47	42	42	2	44	54	1	55	53	12	65	60	8,789	146	.68
Antrim	30	13	25	23	--------	23	32	2	34	45	1	46	39	5,237	134	.74
Baraga	--------	10	11	7	--------	7	7	--------	7	9	--------	9	13	1,804	139	.72
Barry	179	190	207	210	4	214	212	2	214	246	3	249	232	25,317	109	.92
Bay	213	202	190	150	24	174	246	11	257	159	7	166	217	38,061	175	.57
Benzie	17	34	32	22	--------	22	21	--------	21	31	--------	31	33	3,433	104	.96
Berrien	426	390	489	356	14	370	422	11	433	486	14	500	458	36,785	80	1.25
Branch	315	306	286	273	13	286	310	6	316	311	6	317	284	27,941	98	1.02
Calhoun	359	348	283	289	8	297	321	12	333	330	7	337	354	38,452	109	.92
Cass	213	195	217	175	6	181	202	11	213	232	3	235	220	22,009	100	1.00
Charlevoix	23	21	25	31	--------	31	29	3	32	34	2	36	25	5,115	205	.49
Cheboygan	23	16	23	45	--------	45	40	3	43	41	1	42	56	6,524	117	.86

Chippewa	6	12	11	23	.....	23	12	.....	12	19	.....	19	20	5,248	262	.38
Clare	6	19	7	13	.....	13	16	.....	16	27	.....	27	39	4,187	107	.93
Clinton	206	198	205	173	14	187	228	2	230	229	.....	229	244	28,100	115	.87
Crawford	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	2	13	1,159	89	1.12
Delta	38	22	27	44	.....	44	43	.....	43	60	.....	60	68	6,812	100	1.00
Eaton	282	271	274	287	11	298	266	8	274	275	5	280	266	31,225	117	.85
Emmet	23	14	22	26	4	30	55	.....	55	38	2	40	51	6,639	130	.77
Genesee	316	342	356	350	12	362	391	6	397	366	33	399	334	39,220	117	.85
Gladwin	.....	2	.....	4	.....	4	4	.....	4	3	1	4	4	1,127	282	.35
Grand Traverse	40	60	63	41	4	45	52	.....	52	77	3	80	73	8,422	115	.87
Gratiot	104	142	118	126	11	137	133	6	139	177	2	179	191	21,936	115	.87
Hillsdale	420	385	372	329	8	337	371	25	396	380	8	388	395	32,723	83	1.21
Houghton	186	136	152	183	5	188	159	5	164	170	.....	170	169	22,473	133	.75
Huron	78	112	129	109	.....	109	120	.....	120	138	4	142	134	20,089	149	.67
Ingham	283	346	291	287	26	313	395	5	400	326	3	329	331	33,676	102	.98
Ionia	278	273	286	254	14	268	276	25	301	339	7	346	318	33,872	107	.94
Iosco	22	22	17	39	1	40	46	.....	46	48	.....	48	86	6,873	80	1.25
Isabella	62	52	56	49	.....	49	56	.....	56	70	1	71	94	12,159	129	.77
Isle Royal[a]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	379	357	364	395	5	400	358	11	369	390	5	395	359	42,031	117	.85
Kalamazoo	319	312	266	249	6	255	302	31	333	250	59	309	265	34,342	130	.77
Kalkaska	9	7	11	16	.....	16	30	.....	30	16	.....	16	35	2,937	84	1.19
Kent	633	657	610	517	33	550	579	11	590	632	9	641	618	73,253	119	.84
Keweenaw	35	33	40	25	2	27	26	.....	26	7	.....	7	27	4,270	158	.63
Lake	14	14	12	13	.....	13	16	.....	16	24	.....	24	16	3,233	202	.49
Lapeer	198	197	197	191	4	195	229	8	237	238	1	239	247	30,138	122	.82

[a] No returns of marriages from county clerk.

TABLE XII.—CONTINUED.—*Marriages Corrected by Counties.*

COUNTIES.	MARRIAGES.													Population, 1880, Represented by Marriages in 1880.	Number of Inhabitants in 1880 to one Marriage in 1880.	Per Cent. of Marriages in 1880 to Population in 1880.
	1874.	1875.	1876.	1877.			1878.			1879.			1880.			
	Number Returned previous to May 11, 1882.	Number Returned previous to May 11, 1882.	Number Returned previous to May 11, 1882.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to May 11, 1882.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to May 11, 1882.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to May 11, 1882.	Number Returned.			
Leelanaw	46	33	35	46	.....	46	27	.....	27	33	2	35	28	6,253	223	.45
Lenawee	492	485	429	401	28	429	408	56	464	425	45	470	436	48,343	111	.90
Livingston	153	157	145	156	2	158	135	4	139	146	14	160	151	22,251	147	.68
Mackinac	26	13	11	17	.....	17	25	.....	25	18	.....	18	23	2,902	126	.79
Macomb	253	208	235	228	.....	228	233	7	240	229	1	230	252	31,627	126	.80
Manistee	69	71	76	57	3	60	75	8	83	85	.....	85	101	12,532	124	.81
Manitou	8	.....	.....	6	.....	6	11	.....	11	5	.....	5	7	1,334	191	.52
Marquette	215	140	106	109	10	119	96	21	117	120	10	130	157	25,394	162	.62
Mason	37	52	53	62	.....	62	71	.....	71	86	1	87	107	10,065	94	1.06
Mecosta	89	83	90	88	9	97	102	.....	102	103	4	107	125	13,973	112	.89
Menominee	19	29	29	32	.....	32	35	1	36	53	.....	53	120	11,987	100	1.00
Midland	23	39	23	37	4	41	54	.....	54	43	5	48	50	6,893	138	.73
Missaukee	2	5	3	7	.....	7	6	.....	6	2	2	4	13	1,553	119	.84
Monroe	310	308	311	328	5	333	305	15	320	366	14	380	314	33,624	107	.93
Montcalm	194	202	204	172	42	214	233	5	238	244	12	256	289	33,148	115	.87
Muskegon	166	157	177	138	9	147	161	4	165	203	28	231	290	26,586	92	1.09
Newaygo	88	87	78	87	10	97	76	11	87	103	3	106	132	14,688	111	.90
Oakland	301	342	344	314	28	342	301	20	321	304	26	330	286	41,537	145	.69

Oceana	79	69	68	75	.....	75	81	.....	81	85	.....	85	111	11,699	105	.95
Ogemaw	.....	.....	6	2	.....	2	8	.....	8	.....	4	4	6	1,914	319	.31
Ontonagon	16	12	13	12	.....	12	10	1	11	9	.....	9	14	2,565	183	.55
Osceola	48	37	47	77	2	79	75	1	76	94	.....	94	117	10,777	92	1.09
Oscoda	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	467	.....	.....
Otsego	.....	4	13	1	4	5	7	1	8	7	2	9	23	1,974	86	1.17
Ottawa	240	240	245	241	.....	241	216	5	221	244	9	253	270	33,126	123	.82
Presque Isle	10	3	5	.....	.....	.....	4	.....	4	4	8	12	9	3,113	346	.29
Roscommon	.....	4	.....	2	.....	2	3	1	4	17	.....	17	10	1,459	146	.69
Saginaw	412	363	391	354	6	360	371	29	400	450	37	487	485	59,095	122	.82
Sanilac	107	133	118	135	.....	135	152	1	153	147	1	148	124	26,341	212	.48
Schoolcraft	6	5	5	10	.....	10	9	.....	9	7	.....	7	7	1,575	225	.44
Shiawassee	189	167	186	183	13	196	165	9	174	154	9	163	200	27,059	135	.74
St. Clair	420	350	349	319	11	330	299	22	321	384	19	403	376	46,197	123	.81
St. Joseph	309	306	303	313	23	336	314	11	325	277	19	296	325	26,626	82	1.22
Tuscola	150	141	147	160	2	162	189	2	191	212	3	215	195	25,738	132	.76
Van Buren	281	228	243	237	7	244	268	16	284	246	10	256	254	30,807	117	.86
Washtenaw	309	275	275	291	2	293	266	10	276	319	4	323	322	41,848	130	.77
Wayne	1,137	999	1,035	628	360	988	1,049	87	1,136	1,308	16	1,324	1,539	166,444	104	.96
Wexford	24	30	51	43	.....	43	46	.....	46	61	1	62	53	6,815	129	.78

DEATHS, 1880.

The registration of deaths in Michigan affords a means of judging of the health of the State. More attentive study has always been given to this department of vital statistics than to the other branches of the work, because of its great importance, and the fact that mortality is felt more keenly and touches society and our homes in a manner different from anything else. Hence, it can readily be seen how important it is to have these statistics of deaths obtained as accurately, faithfully, and intelligently as possible. Every person whose duty it is to make these returns should perform the work in a conscientious manner, with a realizing sense of its true value. Every error in the record of the facts vitiates by just so much the value of the entire work, and a correct compilation cannot compensate for the mistakes in the facts themselves. It has ever been the aim of the compiler to show the true value and importance of these statistics, and to educate the people, and especially the supervisors and assessors who collect them, to an appreciation of their worth. It is earnestly hoped that important modifications in the registration law will soon be made, and that some practical remedy will be found which will greatly improve the statistics of births and deaths.

The total number of deaths recorded by the registration returns for the year 1880 was 16,102, a number more by 1,695 than returned for the previous year, and a larger number than has ever been returned to the State Department. This increased mortality represents either an unhealthy condition of the public health in Michigan in 1880, or that fewer omissions were made in the enumeration of deaths. Both of these causes undoubtly had some influence upon the larger returns. Another fact must not be forgotten, that our people were exposed to the inroads of the fatal infectious diseases, scarlet fever and diphtheria, which have held such destructive sway for the past few years. The greater number of deaths in 1880 has been returned for nearly all ages, but to the greatest extent among children under five years of age.

The average number of deaths for certain specified periods of time, as returned and as corrected for omissions, the number in unknown month included, is as follows:

PERIODS OF TIME.	Deaths as Returned.	Corrected as per Exhibit C, 4th line.
Per quarter	[illegible]	6,564.00
Per month	1,341.83	2,188.00
Per week	[illegible]	504.92
Per day	[illegible]	71.74

In the following tabular exhi[illegible] of the inhabitants includes

those townships from which returns of deaths were received, and those in which no deaths occurred, but those townships which made no report were excluded. The death-rate in Michigan in 1880, when the deaths as returned are considered, was about ten deaths to each thousand of the living, but when the number of deaths as corrected for omissions is used, the rate is sixteen deaths to a thousand of the inhabitants. It may be remarked that the death-rate of 1880 shows a decided increase when compared with those of previous years.

	Inhabitants in 1880 Represented by Deaths in 1880.	Deaths as Returned.	Deaths Corrected for Omissions in Enumerating.	Per Cent. of Deaths to Inhabitants.	
				Deaths as Returned.	Deaths Corrected for Omissions.
Total.....	1,624,040	16,102	26,256	.99	1.62

Proceeding, as has been the custom in previous reports, the consideration of Table I. comes next in order; this table shows the number and per cent. of deaths by quarters of the year, when the deaths are compiled as returned, and when corrected for omissions. It demonstrates the influence of the seasons upon mortality in Michigan in 1880. As has been the showing in preceding years, the third quarter, or midsummer season, was the most fatal period.

TABLE I.—*Deaths in Michigan by Quarters of the Year, Exhibiting the Number and Per Cent. of Total as Returned for each of the Years 1875 to 1880, inclusive.*

TOTALS, AND MONTHS WITH WHICH QUARTERS END.	1875.		1876.		1877.		1878.		1879.		1880.	
	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.
Totals.....	11,990	100.00	12,576	100.00	12,919	100.00	12,766	100.00	14,407	100.00	16,102	100.00
As Returned. March....	2,679	22.34	2,460	19.56	2,599	20.12	2,449	19.18	3,009	20.89	3,011	18.70
As Returned. June.....	2,838	23.63	2,803	22.29	2,829	21.90	2,822	22.10	3,159	21.93	3,491	21.68
As Returned. Sept.....	3,334	27.81	4,009	31.88	3,999	30.95	3,731	29.23	4,123	28.62	4,983	30.95
As Returned. Dec.....	3,073	25.62	3,273	26.02	3,436	26.60	3,740	29.30	4,075	28.28	4,574	28.40
As Returned. Unknown	71	.59	31	.25	56	.43	24	.19	41	.28	43	.27
Average.....	2,997.50	25.00	3,144.00	25.00	3,229.75	25.00	3,191.50	25.00	3,601.75	25.00	4,025.50	25.00
Totals.....	17,289	100.00	18,389	100.00	18,341	100.00	18,866	100.00	20,583	100.00	26,256	100.00
As Corrected for Omissions. March..	4,409	25.50	4,153	22.58	4,227	23.05	4,217	22.35	4,933	23.97	5,877	22.38
As Corrected for Omissions. June....	4,315	24.96	4,364	23.73	4,259	23.22	4,468	23.68	4,793	23.28	6,183	23.55
As Corrected for Omissions. Sept.....	4,621	26.73	5,661	30.78	5,495	29.96	5,340	28.30	5,703	27.71	7,837	29.85
As Corrected for Omissions. Dec.....	3,873	22.40	4,180	22.73	4,304	23.47	4,817	25.53	5,113	24.84	6,316	24.06
As Corrected for Omissions. Unk.....	71	.41	31	.17	56	.30	24	.13	41	.20	43	.16
Average.....*	4,322	25.00	4,597	25.00	4,585	25.00	4,717	25.00	5,116	25.00	2,188	25.00

* Including deaths in unknown month.

TABLE II.—*Deaths Returned as having occurred in Michigan, by Months, Exhibiting the Number and Per Cent. of Total for each of the Years 1875, 1876, 1877, 1878, 1879, and 1880, the months arranged in order by Number of Deaths, those having the Greatest Number first.*

1875.			1876.			1877.			1878.			1879.			1880.		
Year and Months.	Number.	Per Ct. of Total.	Year and Months.	Number.	Per Ct. of Total.	Year and Months.	Number.	Per Ct. of Total.	Year and Months.	Number.	Per Ct. of Total.	Year and Months.	Number.	Per Ct. of Total.	Year and Months.	Number.	Per Ct. of Total.
Year...	11,990	100.00	Year...	12,576	100.00	Year...	12,919	100.00	Year...	12,766	100.00	Year...	14,407	100.00	Year...	16,102	100.00
[illegible]	1,222	10.19	Aug...	1,507	11.98	Aug...	1,559	12.07	Aug...	1,371	10.74	Aug...	1,537	10.67	Aug...	1,780	11.05
[illegible]	1,219	10.17	Sept...	1,423	11.32	Sept...	1,400	10.84	Dec...	1,369	10.72	Dec...	1,521	10.56	Sept...	1,676	10.41
[illegible]	[illegible]	9.01	Dec...	1,153	9.17	Oct...	1,221	9.45	Sept...	1,343	10.52	Sept...	1,403	9.74	Dec...	1,617	10.04
[illegible]	[illegible]	8.88	Oct...	1,131	8.99	Dec...	1,155	8.94	Oct...	1,190	9.32	Oct...	1,286	8.93	July...	1,527	9.48
[illegible]	1,045	8.72	July...	1,079	8.58	Nov...	1,060	8.20	Nov...	1,181	9.25	Nov...	1,268	8.80	Nov...	1,486	9.23
[illegible]	[illegible]	8.52	Nov...	989	7.86	July...	1,040	8.05	April..	1,029	8.06	July...	1,183	8.21	Oct...	1,471	9.14
[illegible]	[illegible]	8.37	April..	978	7.78	Mar...	990	7.66	July...	1,017	7.97	April..	1,174	8.15	April..	1,289	8.01
[illegible]	[illegible]	7.74	Mar...	975	7.75	April..	978	7.57	Mar...	930	7.28	Mar...	1,114	7.73	May...	1,166	7.24
[illegible]	[illegible]	7.49	May...	970	7.71	May...	976	7.55	May...	923	7.23	May...	1,083	7.52	Mar...	1,149	7.14
[illegible]	[illegible]	7.45	June..	855	6.80	June...	875	6.77	June..	870	6.82	Feb...	992	6.88	June..	1,036	6.43
[illegible]	[illegible]	6.74	Feb...	800	6.36	Feb...	843	6.53	Feb...	789	6.18	Jan...	903	6.27	Feb...	1,002	6.22
[illegible]	[illegible]	6.14	Jan...	685	5.45	Jan...	766	5.93	Jan...	730	5.72	June..	902	6.26	Jan...	860	5.34
[illegible]	[illegible]	.59	Unk...	31	.25	Unk...	56	.43	Unk...	24	.19	Unk...	41	.28	Unk...	43	.27
[illegible]	[illegible]	8.33	Av.....	1,048.00	8.33	Av.....	1,076.58	8.33	Av.....	1,063.83	8.33	Av.....	1,200.58	8.33	Av.....	1,341.41	8.33

Table II. shows the order of mortality for 1880 by months, those having the greatest number first. With the exceptions of the years 1878 and 1879, the months of August and September are the first two months in the table for each of the years 1868–1880. Six months of the year show more than the average number of deaths, while in 1879 only five months have more than the average.

The deaths of males exceeded the deaths of females in 1880 by 1,235. As shown by Table III. there were 8,645 deaths of males returned, and 7,410 deaths of females, the proportion being 117 males to 100 females. An excess of deaths of males occurs in each month of the year. According to the United States census of 1880, the excess of males over females in Michigan was 87,773; there being 854,618 males, and 769,422 females represented by the returns of deaths. Measuring the mortality of each sex by the proportion of deaths to the number of living, it is seen that the death-rate in 1880 among males was 10 per one thousand, and among the females 9.62 per one thousand, inhabitants. It will thus be seen that there is little difference in the death-rate of the two sexes.

TABLE III.—*Number and Per Cent. of Deaths of Males and of Females in Michigan in 1880, from all Causes, as Returned, by Months.* (*Unknown sex excluded.*)

YEAR AND MONTHS, 1880.	Deaths as Returned, 1880.		Per Cent. of each Sex to Total of both Sexes.				Males to 100 Females.
	Males.	Females.	Males.	Females.	Excess of the Sexes.		
					Males.	Females.	
Year 1880	8,645	7,410	53.85	46.15	7.70	.....	117
January	451	407	52.56	47.44	5.12	.....	111
February	556	442	55.71	44.29	11.42	.....	126
March	604	545	52.57	47.43	5.14	.....	111
April	683	601	53.19	46.81	6.38	.....	114
May	619	545	53.18	46.82	6.36	.....	114
June	553	479	53.59	46.41	7.18	.....	115
July	836	668	54.86	45.14	9.72	.....	122
August	939	834	52.96	47.04	5.92	.....	113
September	907	764	54.28	45.72	8.56	.....	119
October	795	671	54.23	45.77	8.46	.....	118
November	822	661	55.43	44.57	10.86	.....	124
December	852	758	52.92	47.08	5.84	.....	112
Unknown	28	15	65.12	34.88	30.24	.....	187

Exhibit A contains data concerning the proportion of deaths in each month of the year 1880 and the per cent. of the sexes, when the months are equalized to 30.44 each, making them all of equal length. The largest proportion of deaths is shown for the month of August, and the smallest for the month of January.

EXHIBIT A.—*By Sex, the Number of Deaths Returned as having occurred in Michigan during the Year 1880, by Months Equalized to 30.44 days each;—Number of Deaths in each Month; Per Cent. of Deaths in each Month to Total Deaths during the Year; and Per Cent. and Excess of Per Cent. of Deaths of each Sex to Total of both Sexes.*

YEAR AND MONTHS, 1880.	Number of Deaths, in 1880, as Returned, Equalized.				Per Ct. of Deaths in each Month to Total during the Year.				Per Ct. of each Sex to Total of Both Sexes, Unknown Sex Excluded.			
	Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Unk.	Males.	Females.	Excess. Males.	Excess. Females.
Year 1880..	[a] 16,062	8,626	7,389	47	100.00	100.00	100.00	100.00	53.86	46.14	7.72	.....
January...	845	443	400	2	5.26	5.14	5.41	4.26	52.55	47.45	5.10	.....
February..	1,052	584	464	4	6.55	6.77	6.28	8.51	55.73	44.27	11.46	.....
March.....	1,128	593	535	.....	7.02	6.87	7.24	.....	52.57	47.43	5.14	.....
April.....	1,308	693	610	5	8.14	8.03	8.26	10.64	53.18	46.82	6.36	.....
May.....	1,145	608	535	2	7.13	7.05	7.24	4.26	53.19	46.81	6.38	.....
June.....	1,051	561	486	4	6.54	6.50	6.53	8.51	53.58	46.42	7.16	.....
July.....	1,500	821	676	3	9.34	9.52	9.15	6.38	54.84	45.16	9.68	.....
August.....	1,748	922	819	7	10.88	10.69	11.08	14.89	52.96	47.04	5.92	.....
September.	1,701	921	775	5	10.59	10.68	10.49	10.64	54.30	45.70	8.60	.....
October....	1,445	781	659	5	9.00	9.05	8.92	10.64	54.24	45.76	8.48	.....
November..	1,508	834	671	3	9.39	9.67	9.08	6.38	55.42	44.58	10.84	.....
December.	1,588	837	744	7	9.89	9.70	10.07	14.89	52.94	47.06	5.88	.....
Unknown..	43	28	15	.....	.27	.33	.20	.....	65.12	34.88	30.24	.....
Average ..[b]	1,335	717	614	4	8.33	8.33	8.33	8.33	.....	.....	.....	.....

[a] 40—19 males and 21 females—lost in equalization.
[b] Unknown month excluded.

An opportunity is given in Exhibit B of comparing the relative standing of the different months with reference to their record of deaths, beginning with the highest, in Massachusetts, Rhode Island, and Michigan.

EXHIBIT B.—*Months arranged in Order by Number of Deaths,—those having the greatest Number first,—in Michigan for each of the Years 1877 to 1880, inclusive, as per Registration Returns, and for each of the Years 1878, 1879, and 1880, Corrected for Omissions in Enumerating; in Massachusetts for each of the Years 1878, 1879, and 1880; also, in Rhode Island for each of the Years 1878, 1879, and 1880.*

ORDER.	Michigan, as per Registration Returns, Including Still-births.				Michigan, Corrected for Omissions in Enumeration, Including Still-births.			Massachusetts, Including Still-births.			Rhode Island Excluding Still-births.		
	1877.	1878.	1879.	1880.	1878.	1879.	1880.	1878.	1879.	1880.	1878.	1879.	1880.
1	Aug.	Aug.	Aug.	Aug.	Aug.	Aug.	Aug.	Aug.	Jan.	Aug.	Dec.	Jan.	July.
2	Sept.	Dec.	Dec.	Sept.	Sept.	Sept.	Sept.	July.	Aug.	July	Aug.	Aug.	Aug.
3	Oct.	Sept.	Sept.	Dec.	Dec.	Dec.	July.	Dec.	Mar.	Sept.	July.	Dec.	Mar.
4	Dec.	Oct.	Oct.	July.	Apr.	Apr.	Apr.	Oct.	Apr.	Dec.	Jan.	Oct.	Jan.
5	Nov.	Nov.	Nov.	Nov.	Oct.	Mar.	Mar.	Sept.	July.	Mar.	Mar.	Nov.	Oct.
6	July.	Apr.	July.	Oct.	Mar.	July.	Dec.	Jan.	Feb.	April	Nov.	July.	Apr.
7	Mar.	July.	Apr.	Apr.	Nov.	Oct.	Oct.	Mar.	Dec.	Oct.	Feb.	Mar.	May.
8	Apr.	Mar.	Mar.	May.	July.	May.	May.	Nov.	May.	May.	Apr.	Apr.	Sept.
9	May.	May.	May.	Mar.	May.	Feb.	Nov.	Apr.	Sept.	Nov.	Sept.	Sept.	Dec.
10	J'ne.	J'ne.	Feb.	J'ne.	Feb.	Nov.	Feb.	May.	Oct.	Jan.	Oct.	Feb.	Feb.
11	Feb.	Feb.	Jan.	Feb.	J'ne.	Jan.	J'ne.	Feb.	Nov.	Feb.	J'ne.	May.	Nov.
12	Jan.	Jan.	J'ne.	Jan.	Jan.	J'ne.	Jan.	J'ne.	J'ne.	J'ne.	May.	J'ne.	J'ne.

OMISSIONS IN THE ENUMERATION OF DEATHS.

The usual method of correction for omissions in the enumeration of deaths is applied to the number of deaths returned in each month of the year 1880. The number of deaths that probably occurred in this State, as shown by the correction, is 26,256, which has been seen in Table I. on page 105. According to the system of correction, the average per cent. to be added to the deaths as returned to make them equal the estimated number above is 63.06. The per cent. to be added differs with each month, being more or less as the time between the deaths and their enumeration by the supervisors is longer or shorter. The manner of estimating these different per cents, as seen in the second line of Exhibit C, has been fully explained in preceding Reports and need not be repeated here. The last line of Exhibit C represents the deaths, in months of equal length, as they are corrected and equalized to population at the close of the year. For further details concerning the method of correcting the deaths see Exhibit E and Diagram No. 3.

EXHIBIT C.—*Deaths in Michigan during the Year 1880, as Returned, as Corrected for Omissions in Enumerating, the same Equalized for Increase of Population during the Year covered by the Returns, and the Deaths as thus Corrected and Equalized for the several Months, Equalized for Months of a uniform length of 30.44 days; also, indicating some of the steps by which these results have been reached.*

	Totals	Months, 1880.											
		Jan.	Feb.	Mar.	April	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Deaths as returned by Registration Officers	16,059	860	1,002	1,149	1,289	1,166	1,036	1,527	1,780	1,676	1,471	1,486	1,617
Per cent. of deaths to be added for correction for time elapsing before enumeration	.....	102.19	95.80	89.41	83.02	76.63	70.24	63.85	57.46	51.07	44.68	38.29	31.90
Number of deaths to be added for above correction	10,154	879	960	1,027	1,070	894	728	975	1,023	856	657	569	516
Deaths, if enumerated in months of occurrence	26,213	1,739	1,962	2,176	2,359	2,060	1,764	2,502	2,803	2,532	2,128	2,055	2,133
Per cent. of deaths to be added to equalize them to population at close of year	.....	4.21	3.86	3.51	3.16	2.81	2.46	2.11	1.76	1.41	1.06	.71	.35
Deaths to be added to equalize them to population at close of year	584	73	76	76	75	58	43	53	49	36	23	15	7
Deaths, as corrected, equalized to population at close of year	26,797	1,812	2,038	2,252	2,434	2,118	1,807	2,555	2,852	2,568	2,151	2,070	2,140
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+ 1.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number by which the deaths should be increased or diminished to equalize them to months of uniform length	—56	—33	+ 101	—41	+ 36	—38	+ 27	—46	—52	+ 38	—39	+ 30	—39
Deaths, corrected and equalized, equalized to months of uniform length	26,741	1,779	2,139	2,211	2,470	2,080	1,834	2,509	2,800	2,606	2,112	2,100	2,101

[a] Excluding 43 in unknown month.

Exhibit D is similar in plan to Table II. on a previous page, only the deaths have been corrected for omissions in the latter. It will be observed that the order of the months is not the same as in Table II.

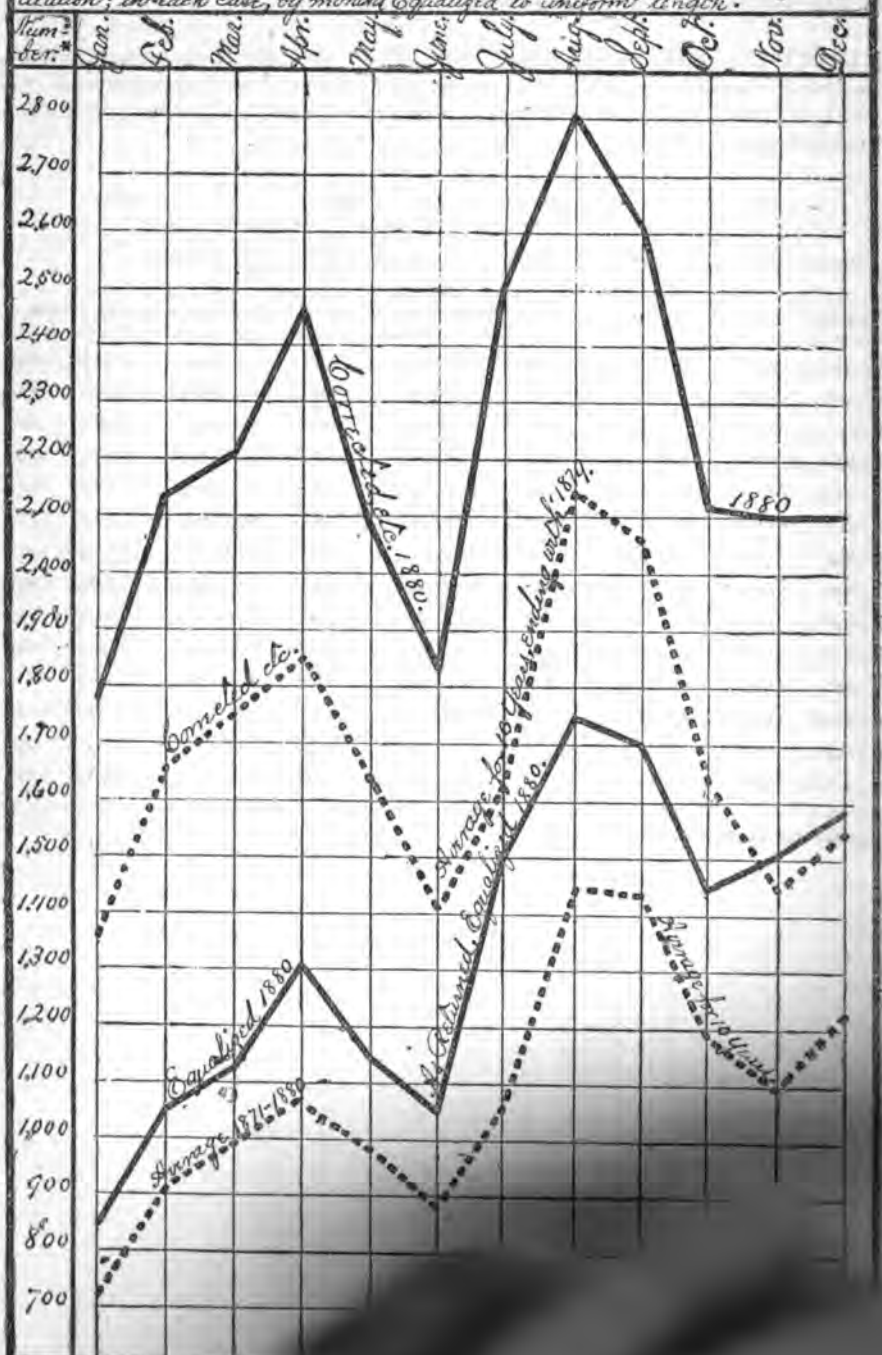
EXHIBIT D.—*Deaths during the Years 1877 to 1880, inclusive, as Corrected for Omissions in the Enumeration, Exhibiting the Number and Per Cent. of Total, by Months arranged in Order by Number, Months having the greatest number first.*

Order.	1877.			1878.			1879.			1880.		
	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.
	Total..	18,341	100.00	Total...	18,866	100.00	Total...	20,583	100.00	Total...	26,256	100.00
1	Aug....	2,148	11.71	Aug.....	1,968	10.43	Aug.....	2,129	10.34	Aug.....	2,803	10.68
2	Sept...	1,870	10.20	Sept.....	1,863	9.87	Sept.....	1,884	9.15	Sept.....	2,532	9.64
3	Oct....	1,580	8.61	Dec.....	1,700	9.01	Dec.....	1,847	8.97	July.....	2,502	9.53
4	Mar....	1,572	8.57	Apr.....	1,676	8.88	Apr.....	1,827	8.88	Apr.....	2,359	8.98
5	Apr....	1,512	8.24	Oct.....	1,593	8.44	Mar.....	1,782	8.66	Mar.....	2,176	8.29
6	July...	1,477	8.05	Mar.....	1,560	8.27	July.....	1,690	8.21	Dec.....	2,133	8.12
7	May...	1,468	8.00	Nov.....	1,524	8.08	Oct.....	1,672	8.12	Oct.....	2,128	8.10
8	Dec....	1,397	7.62	July.....	1,509	8.00	May.....	1,639	7.96	May.....	2,060	7.85
9	Feb....	1,374	7.49	May.....	1,459	7.73	Feb.....	1,629	7.92	Nov.....	2,055	7.82
10	Nov....	1,327	7.24	Feb.....	1,362	7.22	Nov.....	1,594	7.74	Feb.....	1,962	7.47
11	Jan....	1,281	6.98	June....	1,333	7.07	Jan.....	1,522	7.40	June....	1,764	6.72
12	June...	1,279	6.97	Jan.....	1,295	6.86	June....	1,327	6.45	Jan.....	1,739	6.62
	Unk....	56	.31	Unk.....	24	.13	Unk.....	41	.20	Unk.....	43	.16
	Av.....[a]	1,528	8.33	Av.....[a]	1,572	8.33	Av.....[a]	1,715	8.33	Av.....[a]	2,188	8.33

[a] Including deaths in unknown month.

Diagram No. 3.

Deaths in Michigan in 1880, and Average for 10 Years ending with 1880, as Returned, as Corrected for Omissions and Equalized for Increase of Population; in each case, by months Equalized to uniform length.



* Scale = 335 to the

s in Michigan during the Year 1880, as Returned, as Corrected for Omissions in Enumerating, and as thus Corrected, Equalized to Months of uniform length of 30.44 days each.

	Total.	Months, 1880.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
ıed by Registration Officers	a 16,059	860	1,002	1,149	1,239	1,166	1,036	1,027	1,780	1,676	1,471	1,486	1,617
ıths to be added for correction for time elapsing before		102.19	95.80	89.41	83.02	76.63	70.24	63.85	57.46	51.07	44.68	38.29	31.90
ıths to be added for above correction	10,154	879	960	1,027	1,070	894	728	975	1,023	856	657	569	516
Deaths, if enumerated in month of occurrence	26,213	1,739	1,962	2,176	2,359	2,060	1,764	2,502	2,803	2,532	2,128	2,055	2,133
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length		—.56	+1.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number by which the deaths should be increased or diminished to equalize them to months of uniform length	—55	—31	+97	—39	+85	—37	+26	—45	—51	+37	—38	+30	—39
Deaths, corrected and equalized to months of uniform length	26,158	1,708	2,059	2,137	2,394	2,023	1,790	2,457	2,752	2,569	2,090	2,085	2,094

a Excluding 43 in unknown month.

The proportion of deaths at different periods of age, the per cent. and excess of the sexes, and the number of males to 100 females are shown in Table IV. From the age of 15 up to 40 the number of deaths of females in the State is greater than that of males; while the opposite fact is true in the early years of life, being most marked in infancy. It is seen here that more than a fifth (24.66 per cent.) of all the persons who died in 1880 had not reached one year of age, and more than a third (39.95 per cent.) were under the age of five years. This tells the usual story of the annual destruction of infant life. The average annual per cent. of decedents under one year of age for the ten years 1871–1880 is 25.49, and the average annual per cent. of decedents under five years of age is 40.46.

TABLE IV.—*Exhibiting, by Sex, and by Age in Periods of Years, the Number and Proportion of Persons Returned as having Died in Michigan during the Year 1880; also the Excess of Persons of each Sex.*

AGES IN YEARS AND PERIODS.	Number of Deaths, 1880.				Per Ct. of Deaths at Each Age to Total at All Ages.			Per Ct. of Each Sex to Total of Both Sexes.				Excess of the Sexes by Number.		Males to 100 Females.
	Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Males.	Females.	Excess. Males.	Excess. Females.	Males.	Females.	
All Ages...	16,102	8,645	7,410	47	100.00	100.00	100.00	53.85	46.15	7.70	.....	1,235	.....	116.67
Under 1....	3,971	2,225	1,705	41	24.66	25.74	23.01	56.62	43.38	13.24	.....	5.20	.....	130.50
1 to 2.....	1,090	568	521	1	6.77	6.57	7.03	52.16	47.84	4.32	.....	47	.....	109.02
2 to 3.....	590	313	277	.....	3.66	3.62	3.74	53.05	46.95	6.10	.....	36	.....	113.00
3 to 4.....	462	254	208	.....	2.87	2.94	2.81	54.98	45.02	9.96	.....	46	.....	122.12
4 to 5.....	320	159	161	.....	1.99	1.84	2.17	49.69	50.31	.....	.62	.....	2	98.76
Under 5....	6,433	3,519	2,872	42	39.95	40.71	38.76	55.06	44.94	10.12	.....	647	.....	122.53
5 to 10.....	1,114	591	523	.....	6.92	6.84	7.06	53.05	46.95	6.10	.....	68	.....	113.00
10 to 15.....	588	304	284	.....	3.65	3.52	3.83	51.70	48.30	3.40	.....	20	.....	107.04
15 to 20.....	643	296	347	.....	3.99	3.42	4.68	46.03	53.97	.....	7.94	.....	51	85.30
20 to 25.....	680	316	364	.....	4.22	3.66	4.91	46.47	53.53	.....	7.06	.....	48	86.81
25 to 30.....	603	268	335	.....	3.74	3.10	4.52	44.44	55.56	.....	11.12	.....	67	80.00
30 to 35.....	513	245	268	.....	3.19	2.83	3.62	47.76	52.24	.....	4.48	.....	23	91.42
35 to 40.....	556	260	296	.....	3.45	3.01	3.99	46.76	53.24	.....	6.48	.....	36	87.84
40 to 45.....	460	235	225	.....	2.86	2.72	3.04	51.09	48.91	2.18	.....	10	.....	104.44
45 to 50.....	461	264	197	.....	2.86	3.05	2.66	57.27	42.73	14.54	.....	67	.....	134.01
50 to 55.....	416	241	175	.....	2.58	2.79	2.36	57.93	42.07	15.86	.....	66	.....	137.71
55 to 60.....	474	269	205	.....	2.94	3.11	2.77	56.75	43.25	13.50	.....	64	.....	131.22
60 to 65.....	557	330	227	.....	3.46	3.82	3.06	59.25	40.75	18.50	.....	103	.....	145.37
65 to 70.....	564	334	230	.....	3.50	3.86	3.10	59.22	40.78	18.44	.....	104	.....	145.22
70 to 75.....	568	339	229	.....	3.53	3.92	3.09	59.68	40.32	19.36	.....	110	.....	148.03
75 to 80.....	511	296	215	.....	3.17	3.42	2.90	57.93	42.07	15.86	.....	81	.....	137.67
80 to 85.....	363	223	140	.....	2.25	2.58	1.89	61.43	38.57	22.86	.....	83	.....	159.29
85 to 90.....	194	93	101	.....	1.20	1.08	1.36	47.94	52.06	.....	4.12	.....	8	92.08
90 to 95.....	51	20	31	.....	.32	.23	.42	39.22	60.78	.....	21.56	.....	11	64.52
95 to 100....	22	12	10	.....	.14	.14	.13	54.55	45.45	9.10	.....	2	.....	[illegible]
100 and over	9	7	2	.....	.06	.08	.03	77.78	22.22	55.56	.....	5	.....	[illegible]
Unk. Ages.	322	183	134	5	2.00	2.12	1.81	57.73	42.27	15.46	.....	[illegible]	.....	[illegible]

Exhibit F shows the mortality in 1880 for each of the [illegible] from infancy to old age. There is a very large excess of male [illegible] and childhood, but from the age of 14 [illegible] decedents. The males are again in [illegible] death-rate is about equally divided [illegible]

EXHIBIT F.—*Deaths Returned as having occurred in Michigan in 1880, by Sex, and Excess of the Sexes, by Age in Years.*

AGE IN YEARS.	Decedents, 1880.				Excess.	
	Total.	Males.	Females.	Unk.	Males.	Females.
All Ages	16,102	8,645	7,410	47	1,235	.....
Under 1	3,971	2,225	1,705	41	520	.....
1	1,090	568	521	1	47	.....
2	590	313	277	.....	36	.....
3	462	254	208	.....	46	.....
4	320	159	161	.....	.....	2
5	304	151	153	.....	.....	2
6	269	151	118	.....	33	.....
7	211	120	91	.....	29	.....
8	167	84	83	.....	1	.....
9	163	85	78	.....	7	.....
10	158	81	77	.....	4	.....
11	126	63	63	.....	.....	.....
12	111	62	49	.....	13	.....
13	91	50	41	.....	9	.....
14	102	48	54	.....	.....	6
15	87	41	46	.....	.....	5
16	97	50	47	.....	3	.....
17	121	52	69	.....	.....	17
18	165	66	99	.....	.....	33
19	173	87	86	.....	1	.....
20	141	61	80	.....	.....	19
21	147	75	72	.....	3	.....
22	154	63	91	.....	.....	28
23	119	55	64	.....	.....	9
24	119	62	57	.....	5	.....
25	111	45	66	.....	.....	21
26	134	58	76	.....	.....	18
27	110	53	57	.....	.....	4
28	159	74	85	.....	.....	11
29	89	38	51	.....	.....	13
[illegible]	[illegible]	[illegible]	[illegible]	.....	5	.....
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	18
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	1
[illegible]	[illegible]	[illegible]	[illegible]	.....	10	.....
[illegible]	[illegible]	[illegible]	[illegible]	.....	.....	19

AGE IN YEARS.	Decedents, 1880.				Excess.	
	Total.	Males.	Females.	Unk.	Males.	Females.
35	123	60	63	.....	.....	3
36	101	47	54	.....	.....	7
37	102	50	52	.....	.....	2
38	127	60	67	.....	.....	7
39	103	43	60	.....	.....	17
40	112	69	43	.....	26	.....
41	85	39	46	.....	.....	7
42	106	49	57	.....	.....	8
43	66	34	32	.....	2	.....
44	91	44	47	.....	.....	3
45	105	60	45	.....	15	.....
46	93	46	47	.....	.....	1
47	83	51	32	.....	19	.....
48	94	55	39	.....	16	.....
49	86	52	34	.....	18	.....
50	96	58	38	.....	20	.....
51	76	41	35	.....	6	.....
52	88	53	35	.....	18	.....
53	67	42	25	.....	17	.....
54	89	47	42	.....	5	.....
55	104	60	44	.....	16	.....
56	109	61	48	.....	13	.....
57	86	44	42	.....	2	.....
58	90	50	40	.....	10	.....
59	85	54	31	.....	23	.....
60	123	66	57	.....	9	.....
61	82	54	28	.....	26	.....
62	111	60	51	.....	9	.....
63	131	85	46	.....	39	.....
64	110	65	45	.....	20	.....
65	141	85	56	.....	29	.....
66	95	54	41	.....	13	.....
67	105	58	47	.....	11	.....
68	110	64	46	.....	18	.....
69	113	73	40	.....	33	.....
70	130	68	62	.....	6	.....
71	94	63	31	.....	32	.....

EXHIBIT F.—CONTINUED.—*Deaths by Ages in Michigan in 1880.*

AGE IN YEARS.	DECEDENTS, 1880.				EXCESS.		AGE IN YEARS.	DECEDENTS, 1880.				EXCESS.	
	Total.	Males.	Females.	Unk.	Males.	Females.		Total.	Males.	Females.	Unk.	Males.	Females.
72	147	92	55	.....	37	.....	89	28	15	13	.....	2	.....
73	109	60	40	.....	20	.....	90	16	10	6	.....	4	.....
74	97	56	41	.....	15	.....	91	11	4	7	.....	.....	3
75	117	65	52	.....	13	.....	92	12	2	10	.....	.....	8
76	114	66	48	.....	18	.....	93	5	2	3	.....	.....	1
77	97	51	46	.....	5	.....	94	7	2	5	.....	.....	3
78	93	58	35	.....	23	.....	95	6	3	3	.....	.....	.....
79	90	56	34	.....	22	.....	96	6	1	5	.....	.....	4
80	110	70	40	.....	30	.....	97	3	3	.....	.....	3	.....
81	75	53	22	.....	31	.....	98	4	3	1	.....	2	.....
82	63	41	22	.....	19	.....	99	3	2	1	.....	1	.....
83	58	27	31	.....	.....	4	100	2	2	.....	.....	2	.....
84	57	32	25	.....	7	.....	101	1	1	.....	.....	1	.....
85	64	28	36	.....	.....	8	103	1	.....	1	.....	.....	1
86	40	22	18	.....	4	.....	104	4	3	1	.....	2	.....
87	30	15	15	.....	.....	.....	109	1	1	.....	.....	1	.....
88	32	13	19	.....	.....	6	Unknown	322	183	134	5	49	.....

DEATHS BY MONTHS AT DIFFERENT AGES.

The distribution of mortality in 1880 at different periods of age in the several months may be seen in Exhibit G. There were 860 deaths reported in the month of January, of which 21.86 per cent. died under one year of age, and 39.42 per cent. died under five years of age; of the 1,002 deaths reported in February, 25.95 per cent. were under one year of age, and 39.72 per cent. were under five years of age. Of the 3,966 decedents under one year of age 4.74 per cent. died in January, 6.56 per cent. died in February, and 6.30 per cent. died in March.

The largest proportion of decedents aged under one year and under five years died in the month of August. It appears from the teaching of this Exhibit that August is the month of greatest danger to children under five years of age; and to persons aged 5 to 10, 10 to 20, and 50 and over, the month of greatest danger is December, while to persons aged 20 to 50 September is the month of greatest danger.

Tables V. and VI. give further details concerning deaths by sex, by months, and periods of age.

[illegible] of the Deaths at Different Periods of Age to Deaths at All Ages, by Months; and for the same [illegible]lation of the Deaths in each Month to the Deaths in the Year 1880, according to the Returns.

[illegible] PERIODS OF YEARS.		Year, 1880.[a]	Months, 1880.											
			Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
		16,059	860	1,002	1,149	1,239	1,166	1,036	1,527	1,780	1,676	1,471	1,486	1,617
Under 1	Number	3,966	188	260	250	286	238	233	434	575	460	327	316	399
	Per Cent. of All Ages	24.70	21.86	25.95	21.76	22.19	20.41	22.49	28.42	32.30	27.45	22.23	21.27	24.68
	Per Cent. of Deaths, 1880	100.00	4.74	6.56	6.30	7.21	6.00	5.87	10.94	14.50	11.60	8.25	7.97	10.06
Under 5	Number	6,426	339	398	407	454	389	411	720	868	741	552	533	609
	Per Cent. of All Ages	40.01	39.42	39.72	35.42	35.22	33.36	39.67	47.15	48.76	44.21	37.53	36.20	37.66
	Per Cent. of Deaths, 1880	100.00	5.28	6.19	6.33	7.07	6.05	6.40	11.20	13.51	11.53	8.59	8.37	9.48
5 to 10	Number	1,110	63	63	80	91	75	63	96	102	96	125	125	131
	Per Cent. of All Ages	6.91	7.33	6.29	6.96	7.06	6.43	6.08	6.29	5.73	5.73	8.50	8.47	8.10
	Per Cent. of Deaths, 1880	100.00	5.68	5.68	7.21	8.20	6.76	5.68	8.65	9.19	8.65	11.26	11.26	11.80
10 to 20	Number	1,226	81	60	80	97	89	88	113	126	127	119	107	139
	Per Cent. of All Ages	7.63	9.42	5.99	6.96	7.53	7.63	8.49	7.40	7.08	7.58	8.09	7.20	8.60
	Per Cent. of Deaths, 1880	100.00	6.61	4.89	6.53	7.91	7.26	7.18	9.22	10.28	10.36	9.71	8.73	11.34
20 to 50	Number	3,267	170	219	261	293	287	196	284	299	325	300	318	315
	Per Cent. of All Ages	20.34	19.77	21.86	22.72	22.73	24.61	18.92	18.60	16.80	19.39	20.39	21.40	19.48
	Per Cent. of Deaths, 1880	100.00	5.20	6.70	7.99	8.97	8.78	6.00	8.69	9.15	9.95	9.18	9.73	9.64
50 and over	Number	3,719	188	244	306	322	300	251	281	350	355	344	371	407
	Per Cent. of All Ages	23.16	21.86	24.35	26.63	24.98	25.73	24.23	18.40	19.66	21.18	23.39	24.97	25.17
	Per Cent. of Deaths, 1880	100.00	5.06	6.56	8.23	8.66	8.07	6.75	7.56	9.41	9.55	9.25	9.98	10.94
Unknown Ages	Number	311	19	18	15	32	26	27	33	35	32	31	27	16
	Per Cent. of All Ages	1.94	2.21	1.80	1.31	2.48	2.23	2.61	2.16	1.97	1.91	2.11	1.82	.99
	Per Cent. of Deaths, 1880	100.00	6.11	5.79	4.82	10.29	8.36	8.68	10.61	11.25	10.29	9.97	8.68	5.14

[a] Excluding unknown month.

TABLE V.—*Exhibiting, by Sex and by Age in Periods of Years, the Number of Persons Returned as having Died in Michigan during the Year, and in each Month of the Year 1880.*

AGES IN PERIODS OF YEARS.	SEX	YEAR, 1880.	MONTHS, 1880.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
All Ages	Total	16,102	860	1002	1149	1289	1166	1036	1527	1780	1676	1471	1486	1617	43
	Males	8,645	451	556	604	683	619	553	836	939	907	795	822	852	28
	Females	7,410	407	442	545	601	545	479	688	834	764	671	661	758	15
	Unknown	47	2	4	....	5	2	4	3	7	5	5	3	7	....
All Under 1	Total	3,971	188	260	250	286	238	233	434	575	460	327	316	399	5
	Males	2,225	111	161	149	168	132	113	247	296	252	170	186	236	4
	Females	1,705	75	96	101	115	104	117	184	274	203	152	127	156	1
	Unknown	41	2	3	....	3	2	3	3	5	5	5	3	7	....
All Under 5	Total	6,433	339	398	407	454	359	411	720	868	741	552	538	609	7
	Males	3,519	182	229	238	256	214	200	403	455	399	302	297	339	5
	Females	2,872	155	166	169	195	173	207	314	408	337	245	238	263	2
	Unknown	42	2	3	....	3	2	4	3	5	5	5	3	7	....
5 to 10	Total	1,114	63	63	80	91	75	63	96	102	96	125	125	131	4
	Males	591	34	43	40	50	43	38	51	60	50	64	61	55	2
	Females	523	29	20	40	41	32	25	45	42	46	61	64	76	2
10 to 15	Total	588	33	28	30	46	40	43	53	69	56	56	57	73	4
	Males	304	14	12	16	23	19	25	33	40	28	26	31	36	1
	Females	284	19	16	14	23	21	18	20	29	28	30	26	37	3
15 to 20	Total	643	48	32	50	51	49	45	60	57	71	63	50	66	1
	Males	296	23	17	22	16	23	20	35	28	30	32	24	26	....
	Females	347	25	15	28	35	26	25	25	29	41	31	26	40	1
20 to 25	Total	680	30	51	59	62	48	35	69	72	58	61	62	71	2
	Males	316	17	19	22	31	20	16	30	32	30	31	35	32	1
	Females	364	13	32	37	31	28	19	39	40	28	30	27	39	1
25 to 30	Total	603	29	31	49	58	49	36	61	43	63	49	69	65	1
	Males	268	9	14	21	22	24	18	24	23	35	18	31	28	1
	Females	335	20	17	28	36	25	18	37	20	28	31	38	37	....
30 to 35	Total	513	26	30	32	41	51	37	45	46	47	55	57	45	1
	Males	245	8	12	13	18	25	16	23	18	24	30	35	22	1
	Females	268	18	18	19	23	26	21	22	28	23	25	22	23	....
35 to 40	Total	556	26	51	51	36	57	28	44	56	62	54	45	46	....
	Males	260	13	26	23	16	23	13	19	25	33	30	19	20	....
	Females	296	13	25	28	20	34	15	25	31	29	24	26	26	....
40 to 45	Total	460	28	24	34	49	40	27	37	46	43	44	46	42	....
	Males	235	12	13	16	26	18	15	22	24	23	25	20	21	....
	Females	225	16	11	18	23	22	12	15	22	20	19	26	21	....

TABLE V.—CONTINUED.—*Deaths by Periods of Age, by Sex, by Months.*

Ages in Periods of Years.	Sex.	Year, 1880.	Months, 1880.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
45 to 50	Total	461	31	32	36	47	42	33	28	36	52	37	39	46	2
	Males	264	15	15	21	29	26	17	14	19	37	21	24	25	1
	Females	197	16	17	15	18	16	16	14	17	15	16	15	21	1
50 to 55	Total	416	24	25	38	45	28	30	32	30	46	33	42	43	....
	Males	241	15	13	20	28	16	16	19	15	25	20	32	22	....
	Females	175	9	12	18	17	12	14	13	15	21	13	10	21	....
55 to 60	Total	474	17	29	38	37	38	26	48	43	43	52	57	46	....
	Males	269	11	18	21	15	21	18	25	21	27	29	34	29	....
	Females	205	6	11	17	22	17	8	23	22	16	23	23	17	....
60 to 65	Total	557	33	47	40	51	39	41	35	63	64	40	43	58	3
	Males	330	20	29	21	27	25	23	21	34	33	26	33	36	2
	Females	227	13	18	19	24	14	18	14	29	31	14	10	22	1
65 to 70	Total	564	33	32	52	40	47	39	38	56	39	61	58	67	2
	Males	334	20	19	28	26	27	27	18	31	23	39	35	39	2
	Females	230	13	13	24	14	20	12	20	25	16	22	23	28	....
70 to 75	Total	568	29	34	46	52	52	33	48	54	55	53	60	56	1
	Males	339	16	23	28	35	27	26	21	37	34	32	29	35	1
	Females	229	13	11	23	17	25	7	22	17	21	21	31	21	....
75 to 80	Total	511	23	32	42	39	37	32	40	55	47	52	54	56	2
	Males	296	12	19	25	26	25	19	24	27	23	26	37	33	....
	Females	215	11	13	17	13	12	13	16	28	24	26	17	23	2
80 to 85	Total	363	14	27	29	32	31	29	24	22	38	37	31	49	....
	Males	223	10	16	15	14	19	25	19	14	22	19	18	32	....
	Females	140	4	11	14	18	12	4	5	8	16	18	13	17	....
85 to 90	Total	194	11	15	13	19	20	14	15	22	15	13	15	21	1
	Males	93	7	8	7	4	3	5	14	17	7	6	5	9	1
	Females	101	4	7	6	15	17	9	1	5	8	7	10	12	....
90 to 95	Total	51	4	1	6	4	4	5	5	3	4	2	7	6	....
	Males	20	2	1	1	1	3	2	2	....	1	1	4	2	....
	Females	31	2	....	5	3	1	3	3	3	3	1	3	4	....
95 to 100	Total	22	....	1	2	2	2	1	1	1	4	1	3	3	1
	Males	12	....	1	1	1	2	....	....	....	2	1	2	2	....
	Females	10	....	....	1	1	....	1	1	1	2	....	1	1	1
100 and over	Total	9	....	1	....	1	2	1	....	1	....	....	1	2	....
	Males	7	....	1	....	1	1	1	....	....	....	....	1	2	....
	Females	2	....	....	....	....	1	....	....	1	....	....	....	....	....
Unknown	Total	322	19	18	15	32	26	27	33	35	32	31	27	16	11
	Males	183	11	8	10	18	15	13	19	19	21	17	15	7	10
	Females	134	8	9	5	12	11	14	14	14	11	14	12	9	1
	Unknown	5	....	1	....	2	....	....	....	2	....	....	....	....	....

TABLE VI.—*Exhibiting, by Sex and by Months, the Number Returned as having Died in Michigan during the Year 1880 at each and every Age, the Age stated in Twelfths of a Year for those under One Year, and in Years for those over One Year of Age.*

AGES IN YEARS.	SEX.	YEAR, 1880.	MONTHS, 1880.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Under 1-12	Total	1,678	98	142	124	149	110	110	127	160	139	133	159	226	1
	Males	931	55	88	76	91	60	55	72	74	74	65	86	134	1
	Females	709	41	51	48	56	48	53	52	82	60	63	70	85	----
	Unknown	38	2	3	------	2	2	2	3	4	5	5	3	7	----
1-12	Total	384	11	18	25	31	29	16	51	60	45	42	27	28	1
	Males	225	7	15	13	19	15	9	30	38	24	21	16	17	1
	Females	158	4	3	12	12	14	7	21	21	21	21	11	11	----
	Unknown	1	----	----	------	------	------	------	------	1	------	----	----	----	----
2-12	Total	275	7	11	19	15	20	13	35	47	40	24	13	30	1
	Males	175	6	8	11	11	11	5	24	29	27	17	7	18	----
	Females	100	1	3	8	4	9	8	11	18	13	7	6	11	1
3-12	Total	269	13	19	8	9	10	19	33	54	32	22	24	26	----
	Males	141	6	14	4	5	7	13	17	25	15	6	14	15	----
	Females	127	7	5	4	4	3	5	16	29	17	16	10	11	----
	Unknown	1	----	----	------	------	------	1	------	------	------	----	----	----	----
4-12	Total	252	10	14	6	14	16	12	43	49	26	20	20	21	1
	Males	135	5	7	1	10	9	7	21	26	9	11	15	13	1
	Females	117	5	7	5	4	7	5	22	23	17	9	5	8	----
5-12	Total	218	5	8	13	10	14	18	26	42	34	19	15	14	----
	Males	125	3	5	8	5	9	8	15	26	17	10	10	9	----
	Females	92	2	3	5	4	5	10	11	16	17	9	5	5	----
	Unknown	1	----	----	------	1	------	------	------	------	------	----	----	----	----
6-12	Total	193	13	10	11	5	4	11	33	39	27	12	15	13	----
	Males	104	9	7	7	1	1	3	20	17	14	5	11	9	----
	Females	89	4	3	4	4	3	8	13	22	13	7	4	4	----
7-12	Total	161	6	13	11	7	11	5	23	30	24	8	15	7	1
	Males	90	5	4	8	2	8	1	12	15	13	8	9	4	1
	Females	71	1	9	3	5	3	4	11	15	11	----	6	3	----
8-12	Total	131	5	5	2	14	6	7	12	26	27	12	6	9	----
	Males	70	4	2	2	7	2	2	7	12	18	8	2	4	----
	Females	61	1	3	------	7	4	5	5	14	9	4	4	5	----
9-12	Total	152	8	5	12	14	10	8	19	22	30	8	8	8	----
	Males	99	6	3	7	7	6	4	13	17	18	4	8	6	----
	Females	53	2	2	5	7	4	4	6	5	12	4	----	2	----

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	YEAR, 1880.	MONTHS, 1880.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
10-12	Total	139	5	8	13	11	4	9	18	17	22	15	6	11	....
	Males	79	4	4	9	6	1	5	10	8	15	7	5	5	....
	Females	60	1	4	4	5	3	4	8	9	7	8	1	6	....
11-12	Total	119	7	7	6	7	4	5	14	29	14	12	8	6	....
	Males	51	1	4	3	4	3	1	6	9	8	8	3	1	....
	Females	68	6	3	3	3	1	4	8	20	6	4	5	5	....
1	Total	1,090	57	42	59	58	68	83	161	180	143	88	78	73	....
	Males	568	27	15	35	28	35	42	89	95	74	55	38	35	....
	Females	521	30	27	24	30	33	40	72	85	69	33	40	38	....
	Unknown	1	---	----	------	------	------	1	------	------	------	----	----	----	....
2	Total	590	31	38	40	51	37	42	61	49	70	56	58	57	....
	Males	313	10	21	23	30	19	24	33	27	37	32	28	29	....
	Females	277	21	17	17	21	18	18	28	22	33	24	30	28	....
3	Total	462	29	29	36	32	30	33	45	42	38	49	49	49	1
	Males	254	18	16	21	20	18	16	24	24	23	26	25	23	....
	Females	208	11	13	15	12	12	17	21	18	15	23	24	26	1
4	Total	320	34	29	22	27	16	20	19	22	30	32	37	31	1
	Males	159	16	16	10	10	10	5	10	13	13	19	20	16	1
	Females	161	18	13	12	17	6	15	9	9	17	13	17	15	....
5	Total	304	13	20	24	24	28	13	31	25	30	31	34	31	....
	Males	151	7	14	12	13	14	9	16	12	13	13	16	12	....
	Females	153	6	6	12	11	14	4	15	13	17	18	18	19	....
6	Total	269	18	17	15	24	18	17	21	21	19	27	31	41	....
	Males	151	11	12	10	11	7	11	10	17	12	18	17	15	....
	Females	118	7	5	5	13	11	6	11	4	7	9	14	26	....
7	Total	211	10	7	16	16	17	13	15	27	20	23	27	19	1
	Males	120	5	5	7	9	13	9	8	15	11	11	16	11	....
	Females	91	5	2	9	7	4	4	7	12	9	12	11	8	1
8	Total	167	11	10	14	18	7	11	14	15	10	22	16	16	3
	Males	84	5	6	4	10	4	5	6	8	7	10	9	8	2
	Females	83	6	4	10	8	3	6	8	7	3	12	7	8	1
9	Total	163	11	9	11	9	5	9	15	14	17	22	17	24	....
	Males	85	6	6	7	7	5	4	11	8	7	12	3	9	....
	Females	78	5	3	4	2	------	5	4	6	10	10	14	15	....
10	Total	158	9	6	7	14	14	11	14	15	12	19	16	20	1
	Males	81	2	3	5	8	4	6	10	9	6	9	9	9	1
	Females	77	7	3	2	6	10	5	4	6	6	10	7	11	....

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	YEAR, 1880.	MONTHS, 1880.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
11	Total	126	8	7	7	9	5	5	8	16	16	9	12	22	2
	Males	63	3	2	3	4	3	4	2	7	11	6	6	12	....
	Females	63	5	5	4	5	2	1	6	9	5	3	6	10	2
12	Total	111	4	6	4	7	10	14	10	15	9	11	12	9	....
	Males	62	3	4	1	3	5	7	9	9	5	6	5	5	....
	Females	49	1	2	3	4	5	7	1	6	4	5	7	4	....
13	Total	91	7	3	4	10	6	6	11	14	8	5	8	8	1
	Males	50	4	....	2	7	5	3	8	9	3	2	5	2	....
	Females	41	3	3	2	3	1	3	3	5	5	3	3	6	1
14	Total	102	5	6	8	6	5	7	10	9	11	12	9	14	....
	Males	48	2	3	5	1	2	5	4	6	3	3	6	8	....
	Females	54	3	3	3	5	3	2	6	3	8	9	3	6	....
15	Total	87	3	3	9	8	8	4	8	6	9	7	9	13	....
	Males	41	1	3	5	4	4	3	3	4	4	2	4	4	....
	Females	46	2	....	4	4	4	1	5	2	5	5	5	9	....
16	Total	97	10	8	8	3	7	5	5	12	15	8	11	5	....
	Males	50	6	4	4	.....	4	3	3	8	6	5	5	2	....
	Females	47	4	4	4	3	3	2	2	4	9	3	6	3	....
17	Total	121	10	7	7	10	8	12	10	12	11	11	11	12	....
	Males	52	4	5	3	4	4	4	5	4	5	5	2	7	....
	Females	69	6	2	4	6	4	8	5	8	6	6	9	5	....
18	Total	165	12	7	14	20	10	12	14	16	20	18	10	12	....
	Males	66	5	3	5	5	5	4	7	7	6	11	6	2	....
	Females	99	7	4	9	15	5	8	7	9	14	7	4	10	....
19	Total	173	13	7	12	10	16	12	23	11	16	19	9	24	1
	Males	87	7	2	5	3	6	6	17	5	9	9	7	11	....
	Females	86	6	5	7	7	10	6	6	6	7	10	2	13	1
20	Total	141	1	12	9	18	6	6	12	15	17	12	18	15	....
	Males	61	1	2	2	7	2	3	7	9	8	4	9	7	....
	Females	80	....	10	7	11	4	3	5	6	9	8	9	8	....
21	Total	147	10	13	12	19	9	4	13	16	14	13	11	12	1
	Males	75	6	6	5	10	3	2	7	6	10	6	6	7	1
	Females	72	4	7	7	9	6	2	6	10	4	7	5	5	....
22	Total	154	8	8	15	11	8	12	19	21	6	18	14	14	....
	Males	63	3	3	5	5	4	7	4	8	7				
	Females	91	5	5	10	6	4	5	15	13					
23	Total	119	7	7	14	8									
	Males	55	4	4	3										
	Females	64	3	3	4										

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

Ages in Years.	Sex.	Year, 1880.	Months, 1880.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
24	Total	119	4	11	9	11	10	4	12	11	8	9	14	15	1
	Males	62	3	4	7	6	6	1	6	4	3	5	10	7	....
	Females	57	1	7	2	5	4	3	6	7	5	4	4	8	1
25	Total	111	6	3	8	9	13	8	13	6	10	4	15	16	....
	Males	45	....	3	4	2	6	4	7	1	4	2	7	5	....
	Females	66	6	....	4	7	7	4	6	5	6	2	8	11	....
26	Total	134	7	10	9	15	9	7	12	12	12	14	16	11	....
	Males	58	2	6	2	3	4	5	6	6	5	7	7	5	....
	Females	76	5	4	7	12	5	2	6	6	7	7	9	6	....
27	Total	110	3	2	10	14	9	5	6	7	12	9	16	16	1
	Males	53	2	1	4	6	5	3	2	4	6	4	7	8	1
	Females	57	1	1	6	8	4	2	4	3	6	5	9	8	....
28	Total	159	5	13	17	14	9	10	19	11	21	15	12	13	....
	Males	74	1	3	9	7	5	4	8	6	16	3	7	5	....
	Females	85	4	10	8	7	4	6	11	5	5	12	5	8	....
29	Total	89	8	3	5	6	9	6	11	7	8	7	10	9	....
	Males	38	4	1	2	4	4	2	1	6	4	2	3	5	....
	Females	51	4	2	3	2	5	4	10	1	4	5	7	4	....
30	Total	125	5	8	6	7	12	12	9	10	17	10	13	15	1
	Males	65	2	5	2	2	7	6	5	4	10	6	9	6	1
	Females	60	3	3	4	5	5	6	4	6	7	4	4	9	....
31	Total	84	8	5	3	6	8	5	5	13	8	9	5	9	....
	Males	33	2	2	1	2	4	2	2	4	4	4	3	3	....
	Females	51	6	3	2	4	4	3	3	9	4	5	2	6	....
32	Total	111	3	4	4	16	12	7	12	8	7	15	13	10	....
	Males	55	1	2	1	6	6	5	7	5	2	8	6	6	....
	Females	56	2	2	3	10	6	2	5	3	5	7	7	4	....
33	Total	106	8	10	8	8	11	5	6	8	9	12	14	7	....
	Males	58	2	3	6	4	6	1	3	4	5	9	10	5	....
	Females	48	6	7	2	4	5	4	3	4	4	3	4	2	....
34	Total	87	2	3	11	4	8	8	13	7	6	9	12	4	....
	Males	34	1	....	3	4	2	2	6	1	3	3	7	2	....
	Females	53	1	3	8	.....	6	6	7	6	3	6	5	2	....
	Total	123	5	12	8	10	19	5	6	10	13	18	10	7	....
		60	2	7	4	3	8	2	3	6	8	11	3	3	....
				5	4	7	11	3	3	4	5	7	7	4	....
				4	11	8	6	6	12	10	10	11	9	10	....
				2	5	4	1	2	5	4	5	6	4	6	....
				2	6	4	5	4	7	6	5	5	5	4	....

TABLE V.—*Exhibiting, by Sex and by Age in Periods of Years, the Number of Persons Returned as having Died in Michigan during the Year, and in each Month of the Year 1880.*

Ages in Periods of Years.	Sex.	Year, 1880.	Months, 1880.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
All Ages	Total	16,102	860	1002	1149	1289	1166	1036	1527	1780	1676	1471	1486	1617	43
	Males	8,645	451	556	604	683	619	553	836	939	907	795	822	852	28
	Females	7,410	407	442	545	601	545	479	688	834	764	671	661	758	15
	Unknown	47	2	4	....	5	2	4	3	7	5	5	3	7	....
All Under 1	Total	3,971	188	260	250	286	238	233	434	575	460	327	316	399	5
	Males	2,225	111	161	149	168	132	113	247	296	252	170	186	236	4
	Females	1,705	75	96	101	115	104	117	184	274	203	152	127	156	1
	Unknown	41	2	3	....	3	2	3	3	5	5	5	3	7	....
All Under 5	Total	6,433	339	398	407	454	359	411	720	868	741	552	538	609	7
	Males	3,519	182	229	238	256	214	200	403	455	399	302	297	339	5
	Females	2,872	155	166	169	195	173	207	314	408	337	245	238	263	2
	Unknown	42	2	3	....	3	2	4	3	5	5	5	3	7	....
5 to 10	Total	1,114	63	63	80	91	75	63	96	102	96	125	125	131	4
	Males	591	34	43	40	50	43	38	51	60	50	64	61	55	2
	Females	523	29	20	40	41	32	25	45	42	46	61	64	76	2
10 to 15	Total	588	33	28	30	46	40	43	53	69	56	56	57	73	4
	Males	304	14	12	16	23	19	23	33	40	28	26	31	36	1
	Females	284	19	16	14	23	21	18	20	29	28	30	26	37	3
15 to 20	Total	643	48	32	50	51	49	45	60	57	71	63	50	66	1
	Males	296	23	17	22	16	23	20	35	28	30	32	24	26	....
	Females	347	25	15	28	35	26	25	25	29	41	31	26	40	1
20 to 25	Total	680	30	51	59	62	48	35	69	72	58	61	62	71	2
	Males	316	17	19	22	31	20	16	30	32	30	31	33	32	1
	Females	364	13	32	37	31	28	19	39	40	28	30	27	39	1
25 to 30	Total	603	29	31	49	58	49	36	61	43	63	49	69	65	1
	Males	268	9	14	21	22	24	18	24	23	35	18	31	28	1
	Females	335	20	17	28	36	25	18	37	20	28	31	38	37	....
30 to 35	Total	513	26	30	32	41	51	37	45	46	47	55	57	45	1
	Males	245	8	12	13	18	25	16	23	18	24	30	35	22	1
	Females	268	18	18	19	23	26	21	22	28	23	25	22	23	....
35 to 40	Total	556	26	51	51	36	57	28	44	56	62	54	45	46	....
	Males	260	13	26	23	16	23	13	19	25	33	30	19	20	....
	Females	296	13	25	28	20	34	15	25	31	29	24	26	26	....
40 to 45	Total	460	28	24	34	49	40	27	37	46	43	44	46	42	....
	Males	235	12	13	16	26	18	15	22	24	23	25	20	21	....
	Females	225	16	11	18	23	22	12	15	22	20	19	26	21	....

TABLE V.—CONTINUED.—*Deaths by Periods of Age, by Sex, by Months.*

AGES IN PERIODS OF YEARS.	SEX.	YEAR, 1880.	MONTHS, 1880.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
45 to 50	Total	461	31	32	36	47	42	33	28	36	52	37	39	46	2
	Males	264	15	15	21	29	26	17	14	19	37	21	24	25	1
	Females	197	16	17	15	18	16	16	14	17	15	16	15	21	1
50 to 55	Total	416	24	25	38	45	28	30	32	30	46	33	42	43	....
	Males	241	15	13	20	28	16	16	19	15	25	20	32	22	....
	Females	175	9	12	18	17	12	14	13	15	21	13	10	21	....
55 to 60	Total	474	17	29	38	37	38	26	48	43	43	52	57	46	....
	Males	269	11	18	21	15	21	18	25	21	27	29	34	29	....
	Females	205	6	11	17	22	17	8	23	22	16	23	23	17	....
60 to 65	Total	557	33	47	40	51	39	41	35	63	64	40	43	58	3
	Males	330	20	29	21	27	25	23	21	34	33	26	33	36	2
	Females	227	13	18	19	24	14	18	14	29	31	14	10	22	1
65 to 70	Total	564	33	32	52	40	47	39	38	56	39	61	58	67	2
	Males	334	20	19	28	26	27	27	18	31	23	39	35	39	2
	Females	230	13	13	24	14	20	12	20	25	16	22	23	28	....
70 to 75	Total	568	29	34	46	52	52	33	48	54	55	53	60	56	1
	Males	339	16	23	23	35	27	26	21	37	34	32	29	35	1
	Females	229	13	11	23	17	25	7	22	17	21	21	31	21	....
75 to 80	Total	511	23	32	42	39	37	32	40	55	47	52	54	56	2
	Males	296	12	19	25	26	25	19	24	27	23	26	37	33	....
	Females	215	11	13	17	13	12	13	16	28	24	26	17	23	2
80 to 85	Total	363	14	27	29	32	31	29	24	22	38	37	31	49	....
	Males	223	10	16	15	14	19	25	19	14	22	19	18	32	....
	Females	140	4	11	14	18	12	4	5	8	16	18	13	17	....
85 to 90	Total	194	11	15	13	19	20	14	15	22	15	13	15	21	1
	Males	93	7	8	7	4	3	5	14	17	7	6	5	9	1
	Females	101	4	7	6	15	17	9	1	5	8	7	10	12	....
90 to 95	Total	51	4	1	6	4	4	5	5	3	4	2	7	6	....
	Males	20	2	1	1	1	3	2	2	....	1	1	4	2	....
	Females	31	2	....	5	3	1	3	3	3	3	1	3	4	....
95 to 100	Total	22	....	1	2	2	2	1	1	1	4	1	3	3	1
	Males	12	....	1	1	1	2	....	....	....	2	1	2	2	....
	Females	10	....	....	1	1	....	1	1	1	2	....	1	1	1
100 and over	Total	9	....	1	....	1	2	1	....	1	....	....	1	2	....
	Males	7	....	1	....	1	1	1	....	....	....	....	1	2	....
	Females	2	....	....	....	....	1	....	....	1	....	....	....	....	....
Unknown	Total	322	19	18	15	32	26	27	33	35	32	31	27	16	11
	Males	183	11	8	10	18	15	13	19	19	21	17	15	7	10
	Females	134	8	9	5	12	11	14	14	14	11	14	12	9	1
	Unknown	5	....	1	....	2	....	....	....	2	....	....	....	....	....

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	YEAR, 1880.	MONTHS 1880.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
63	Total	131	10	15	10	11	9	6	11	16	14	5	12	11	1
	Males	85	6	8	6	6	5	4	11	10	7	3	11	7	1
	Females	46	4	7	4	5	4	2	.....	6	7	2	1	4	....
64	Total	110	4	13	10	10	6	9	6	15	11	7	10	9	....
	Males	65	2	10	6	8	4	5	2	8	7	4	6	3	....
	Females	45	2	3	4	2	2	4	4	7	4	3	4	6	....
65	Total	141	9	7	14	9	12	10	12	11	7	20	18	12	....
	Males	85	6	3	7	7	8	7	5	8	4	12	10	8	....
	Females	56	3	4	7	2	4	3	7	3	3	8	8	4	....
66	Total	95	2	7	8	10	9	5	5	11	8	10	13	7	....
	Males	54	1	4	3	5	8	3	2	6	5	5	7	5	....
	Females	41	1	3	5	5	1	2	3	5	3	5	6	2	....
67	Total	105	6	6	11	4	8	14	7	12	1	16	7	12	1
	Males	58	3	4	8	2	3	9	3	6	.....	13	2	4	1
	Females	47	3	2	3	2	5	5	4	6	1	3	5	8	....
68	Total	110	8	3	11	7	10	4	9	11	13	8	7	19	....
	Males	64	5	2	3	5	6	3	5	4	7	5	6	13	....
	Females	46	3	1	8	2	4	1	4	7	6	3	1	6	....
69	Total	113	8	9	8	10	8	6	5	11	10	7	13	17	1
	Males	73	5	6	7	7	2	5	3	7	7	4	10	9	1
	Females	40	3	3	1	3	6	1	2	4	3	3	3	8	....
70	Total	130	9	5	9	11	11	2	15	12	15	8	18	15	....
	Males	68	5	4	4	5	3	2	5	9	9	4	10	8	....
	Females	62	4	1	5	6	8	.....	10	3	6	4	8	7	....
71	Total	94	4	8	9	11	10	8	3	8	7	10	10	6	....
	Males	63	2	6	7	10	5	5	.....	5	5	9	5	4	....
	Females	31	2	2	2	1	5	3	3	3	2	1	5	2	....
72	Total	147	6	10	14	14	16	12	9	15	14	12	10	14	1
	Males	92	3	7	6	10	9	11	7	9	9	5	4	11	1
	Females	55	3	3	8	4	7	1	2	6	5	7	6	3	....
73	Total	100	6	2	10	5	7	4	9	8	11	13	15	10	....
	Males	60	4	....	5	5	3	2	7	7	6	8	7	6	....
	Females	40	2	2	5	.....	4	2	2	1	5	5	8	4	....
74	Total	97	4	9	4	11	8	7	7	11	8	10	7	11	....
	Males	56	2	6	1	5	7	6	2	7	5	6	3	6	....
	Females	41	2	3	3	6	1	1	5	4	3	4	4	5	....
75	Total	117	7	12	11	4	8	10	7	10	9	13	13	11	2
	Males	65	5	9	3	2	4	7	3	7	3	5	9	8	....
	Females	52	2	3	8	2	4	3	4	3	6	8	4	3	2

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	YEAR, 1880.	MONTHS, 1880.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
76	Total	114	8	6	12	10	7	7	10	11	13	12	8	10	....
	Males	66	3	5	7	7	5	3	6	5	6	6	6	7	....
	Females	48	5	1	5	3	2	4	4	6	7	6	2	3	....
77	Total	97	2	3	3	9	5	6	8	19	6	9	13	14	....
	Males	51	1	1	3	6	3	2	4	8	2	6	8	7	....
	Females	46	1	2	.....	3	2	4	4	11	4	3	5	7	....
78	Total	93	2	2	8	6	11	5	5	5	12	13	14	10	....
	Males	58	2	2	6	3	7	5	3	3	6	7	10	4	....
	Females	35	....	....	2	3	4	.....	2	2	6	6	4	6	....
79	Total	90	4	9	8	10	6	4	10	10	7	5	6	11	....
	Males	56	1	2	6	8	6	2	8	4	6	2	4	7	....
	Females	34	3	7	2	2	.....	2	2	6	1	3	2	4	....
80	Total	110	3	6	9	10	10	15	15	5	12	8	7	10	....
	Males	70	2	2	5	5	5	12	11	4	8	5	3	8	....
	Females	40	1	4	4	5	5	3	4	1	4	3	4	2	....
81	Total	75	4	5	7	6	6	4	4	3	11	8	7	10	....
	Males	53	2	3	5	2	5	4	4	3	5	6	7	7	....
	Females	22	2	2	2	4	1	.....	.....	.....	6	2	....	3	....
82	Total	63	2	9	3	5	6	6	2	1	5	10	6	8	....
	Males	41	2	7	2	4	3	6	2	1	5	2	3	4	....
	Females	22	....	2	1	1	3	.....	.....	.....	.....	8	3	4	....
83	Total	58	1	5	4	8	6	4	1	6	7	5	1	10	....
	Males	27	....	2	2	2	5	3	.....	2	3	2	....	6	....
	Females	31	1	3	2	6	1	1	1	4	4	3	1	4	....
84	Total	57	4	2	6	3	3	.....	2	7	3	6	10	11	....
	Males	32	4	2	1	1	1	.....	2	4	1	4	5	7	....
	Females	25	....	....	5	2	2	.....	.....	3	2	2	5	4	....
85	Total	64	4	8	6	5	7	1	3	4	8	6	4	7	1
	Males	28	2	6	4	.....	.....	.....	3	2	3	4	....	3	1
	Females	36	2	2	2	5	7	1	.....	2	5	2	4	4	....
86	Total	40	5	1	.....	4	3	4	6	4	3	1	5	4	....
	Males	22	4	....	.....	2	2	1	5	3	1	....	2	2	....
	Females	18	1	1	.....	2	1	3	1	1	2	1	3	2	....
87	Total	30	2	3	2	2	2	4	3	3	.....	2	2	5	....
	Males	15	1	2	.....	1	1	1	3	2	.....	1	1	2	....
	Females	15	1	1	2	1	1	3	.....	1	.....	1	1	3	....

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	YEAR, 1880.	MONTHS, 1880.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
88	Total	32	....	2	3	5	4	1	1	7	1	1	4	3	....
	Males	13	....	....	1	....	....	....	1	7	....	....	2	2	....
	Females	19	....	2	2	5	4	1	....	....	1	1	2	1	....
89	Total	28	....	1	2	3	4	4	2	4	3	3	....	2	....
	Males	15	....	....	2	1	....	3	2	3	3	1	....	....	....
	Females	13	....	1	....	2	4	1	....	1	....	2	....	2	....
90	Total	16	2	1	1	2	3	1	2	....	1	1	....	2	....
	Males	10	2	1	....	1	2	....	1	....	1	1	....	1	....
	Females	6	....	....	1	1	1	1	1	....	....	....	....	1	....
91	Total	11	....	....	2	....	1	2	1	2	1	1	1	....	....
	Males	4	....	....	1	....	1	1	....	....	....	....	1	....	....
	Females	7	....	....	1	....	....	1	1	2	1	1	....	....	....
92	Total	12	2	....	2	....	....	1	1	....	....	....	4	2	....
	Males	2	....	....	....	....	....	....	....	....	....	....	2	....	....
	Females	10	2	....	2	....	....	1	1	....	....	....	2	2	....
93	Total	5	....	....	1	1	....	....	....	1	....	....	1	1	....
	Males	2	....	....	....	....	....	....	....	....	....	....	1	1	....
	Females	3	....	....	1	1	....	....	....	1	....	....	....	....	....
94	Total	7	....	....	....	1	....	1	1	....	2	....	1	1	....
	Males	2	....	....	....	....	....	1	1	....	....	....	....	....	....
	Females	5	....	....	....	1	....	....	....	....	2	....	1	1	....
95	Total	6	....	....	1	1	....	....	....	....	2	....	1	....	1
	Males	3	....	....	....	1	....	....	....	....	1	....	1	....	....
	Females	3	....	....	1	....	....	....	....	....	1	....	....	....	1
96	Total	6	....	....	....	....	1	1	1	1	1	....	....	1	....
	Males	1	....	....	....	....	1	....	....	....	....	....	....	....	....
	Females	5	....	....	....	....	....	1	1	1	1	....	....	1	....
97	Males	3	....	....	....	....	1	....	....	....	1	....	....	1	....
98	Total	4	....	....	1	....	....	....	....	....	....	1	2	....	....
	Males	3	....	....	1	....	....	....	....	....	....	1	1	....	....
	Females	1	....	....	....	....	....	....	....	....	....	....	1	....	....
99	Total	3	....	1	....	1	....	....	....	....	....	....	....	1	....
	Males	2	....	1	....	....	....	....	....	....	....	....	....	1	....
	Females	1	....	....	....	1	....	....	....	....	....	....	....	....	....
100	Males	2	....	....	....	....	....	....	....	....	....	....	1	1	....
101	Males	1	....	....	....	1	....	....	....	....	....	....	....	....	....
103	Females	1	....	....	....	....	....	....	....	1	....	....	....	....	....

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

Ages in Years.	Sex.	Year, 1880.	Months, 1880.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
104	Total	4	....	1	....	....	2	....	....	....	....	....	....	1	....
	Males	3	....	1	....	....	1	....	....	....	....	....	....	1	....
	Females	1	....	....	....	....	1	....	....	....	....	....	....	....	....
109	Males	1	....	....	....	....	....	1	....	....	....	....	....	....	....
Unknown	Total	322	19	18	15	32	26	27	33	35	32	31	27	16	11
	Males	183	11	8	10	18	15	13	19	19	21	17	15	7	10
	Females	134	8	9	5	12	11	14	14	14	11	14	12	9	1
	Unknown	5	....	1	....	2	....	....	....	2	....	....	....	....	....

INFANT MORTALITY.

The total number of deaths, the number of still-births, and the per cent. of still-births to total deaths are shown in Exhibit 2. The largest number and per cent. of still-births is shown for the year 1878, and it is worthy of note that since 1878 the number of still-births returned has been decreasing. In 1878 the per cent. of still-births to total deaths was 6.21; in 1879, 5.20 per cent.; and in 1880, 4.58 per cent.

EXHIBIT 2.—*The Relation of Still-births to All Deaths Returned as having occurred in Michigan during the Years 1875 to 1880 inclusive, corrected by means of the Returns of Births.*

	Total Deaths and Still-Births.					
	1875.	1876.	1877.	1878.	1879.	1880.
Total Number of Deaths	11,990	12,576	12,919	12,766	14,407	16,102
Number of Still-births	629	646	720	793	749	738
Per Cent. of Still-births to Total Deaths	5.25	5.14	5.57	6.21	5.20	4.58

TABLE VIII.—*Exhibiting, by Sex, the Number of Children under One Year of Age Returned as having Died in Michigan during the Year 1880; distinguishing the Months in which they Died, their Age in Months at Death, the Months in which they were Born, and whether Born in the Year of Death or in the Previous Year.*[a]

Months in which Births and Deaths Occurred.	Number Born in Each Month of Year of Death.				Number of Children who Died at Each Age in Months.												Number Born in each Month of Year Previous to Year of Death.			Deaths by Months.							
	Year.	Total.	Sex.	No. of each Sex.	-1.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	No. of each Sex.	Total.	Year.	Of those Born in Year of Death.			Of those Born in Previous Year.			All Aged under One Year.	
																				Sex.	Total.		Sex.	Total.		Sex.	Total.
January	1880.	286	Males	166	55	7	6	6	5	3	9	5	4	6	4	1	.....	.....	1879.	55	96	1880.	56	90	1879.	111	186
			Females	120	41	4	1	7	5	2	4	1	1	2	1	6	.....	.....		41			34			75	
February		321	Males	192	88	15	8	14	7	5	7	4	2	3	4	4	1	7		103	157		58	100		161	257
			Females	129	51	3	3	5	7	3	3	9	3	2	4	3	6			54			42			96	
March		327	Males	196	76	13	11	4	1	8	7	8	2	7	9	3	8	12		100	168		49	82		149	250
			Females	131	48	12	8	4	5	5	4	3	..	5	4	3	4			68			33			101	
[illegible]		341	Males	189	91	19	11	5	10	5	1	2	7	7	6	4	13	22		126	202		42	81		168	283
			Females	152	56	12	4	4	4	4	4	5	7	7	5	3	9			76			39			115	
[illegible]		280	Males	152	60	15	11	7	9	9	1	8	2	6	1	3	20	30		102	183		30	53		132	236
			Females	128	48	14	9	3	7	5	3	3	4	4	3	1	10			81			23			104	
[illegible]		283	Males	159	55	9	5	13	7	8	3	1	2	4	5	1	23	38		97	185		16	45		113	230
			Females	127	53	7	8	5	5	10	8	4	5	4	4	4	15			88			29			117	
[illegible]		279	Males	167	72	30	24	17	21	15	20	12	7	13	10	6	24	51		190	345		48	86		247	431
			Females	112	52	21	11	16	22	11	13	11	5	6	8	8	27			146			38			184	
[illegible]		270	Males	142	74	38	29	25	26	26	17	15	12	17	8	9	42	73		250	476		46	94		296	570
			Females	128	82	21	18	29	23	16	22	15	14	5	9	20	31			226			48			274	
[illegible]		215	Males	117	74	24	27	15	9	17	14	13	18	18	15	8	44	97		211	389		41	66		252	455
			Females	98	60	21	13	17	17	17	13	11	9	12	7	6	53			178			25			203	
[illegible]		185	Males	100	65	21	17	6	11	10	5	8	8	4	7	8	61	113		155	295		15	27		170	322
			Females	85	63	21	7	16	9	9	7	..	4	4	8	4	52			140			12			152	
November		184	Males	103	86	16	7	14	15	10	11	9	2	8	5	3	75	118		183	305		3	8		186	313
			Females	81	70	11	6	10	5	5	4	6	4	..	1	5	43			122			5			127	
December		219	Males	134	134	17	19	15	13	9	9	4	4	6	5	1	93	171		236	392		.....	.....		236	392
			Females	85	85	11	11	11	8	5	4	3	5	2	6	5	78			156			.....			156	

			Males....	1,817	930	217	161	117	111	95	76	49	33	16	10	1	.....	.....	.....	1,817					
			Females.	1,376	709	154	95	111	96	73	63	35	22	6	7	5	.....	.....	.....	1,376					
		3,193	Total....	3,193	1639	371	256	228	207	168	139	84	54	24	17	6	.....	.....	.....	.....	3,193				
DEATHS:	Those Born in Previous Year. 1879.		Males....	.....	....	7	14	24	23	30	28	40	38	81	69	50	404	.....	.....	.....	.....	404			
			Females.	.....	....	4	4	16	21	19	26	36	39	47	53	63	328	.....	.....	.....	.....	328			
			Total....	732	....	11	18	40	44	49	54	76	77	128	122	113	.....	732	.....	.....	.....		732		
	All aged under One Year.		Males....	.....	930	224	175	141	134	125	104	89	70	99	79	51	.....	.....	.....	.....	.....	.....	.....	2,221	
			Females.	.....	709	158	99	127	117	92	80	71	61	53	60	68	.....	.....	.....	.....	.....	.....	.....	1,704	
			Total....	a 3,925	1639	382	274	268	251	217	193	160	131	152	139	119	.....	.....	.....	.....	.....	.....	.....	.....	3,925

a Excluding 4 males and 1 female, month of death unknown; and 41 deaths of persons of unknown sex,—46 in all.

BIRTH-MONTHS MOST FAVORABLE TO THE LIFE OF THE CHILD.

The excess of infant-mortality, which was illustrated on previous pages, may be still farther and more accurately studied in Exhibits 3, 4, and 5, and Table VIII. Exhibit 3 shows the number of children who were born in each month of the year 1879, and the number who died in 1879 and 1880 aged under one year. It thus appears that of the 34,092 births in 1879, 10.50 per cent. of them died before reaching the age of one year; of the 17,746 male births in 1879, 11.52 per cent. of them died under one year, and of the 16,302 female births in 1879, 9.43 per cent. of them died under one year of age, the excess of male decedents being 2.09 per cent.

The largest per cent. of the decedents born in 1879, who died under one year of age, is shown for those born in the month of February, the smallest for those born in August. In the year 1878, the birth-month showing the largest proportion of decedents under one year was April, that showing the least was August. For the year 1877, the largest is February, the smallest is September. For the year 1876, the largest is April, the smallest is December. For the year 1875 the largest is February, the smallest is September. For the year 1874, the largest is February, the smallest is November. For the year 1873, the largest is January, the smallest is September. For the year 1872, the largest is March, the smallest is November. From the evidence of Exhibit 3, for the years 1872–1879, it seems that children born in the latter part of the year have the best chance of living past the age of one year.

The above Table, VIII., although somewhat difficult and complicated in its construction, affords some very interesting data concerning decedents under one year of age. The heavy line running diagonally through the table separates the deaths of children born in the year 1880 from those born in the year 1879. For fuller explanations of this table see "Statistics of Michigan, 1870," and the Report of 1871.

EXHIBIT 3.—*Of the Children Born in 1879, the Number who Died during the Year 1879; the Number who Died during the Year 1880, under One Year of Age; The Total Number who Died under One Year of Age; and the Per Cent. of Decedents Aged under One Year to the Children Born in 1879, according to the Returns.*

Months of Birth.	Children Born in 1879.					Males Born in 1879.					Females Born in 1879.			
	Births in 1879, as Returned.	Died during the Year 1879.	Died Aged under 1 Year during the Year 1880.	Total Died Aged under 1 Year.	Per Cent. of Deaths under 1 to Births.	Births of Males in 1879, as Returned.	Died during the Year 1879.	Died Aged under 1 Year during the Year 1880.	Total Died Aged under 1 Year.	Per Cent. of Deaths under 1 to Births.	Births of Females in 1879, as Returned.	Died during the Year 1879.	Died Aged under 1 Year during the Year 1880.	Total Died Aged under 1 Year.	Per Cent. of Deaths under 1 to Births.
[illegible]*	34,092	2,849	732	3,581	10.50	17,746	1,640	404	2,044	11.52	16,302	1,209	328	1,537	9.43
[illegible]	2,429	255	--------	255	10.50	1,250	142	--------	142	11.36	1,174	113	--------	113	9.63
[illegible]	2,331	296	7	303	13.00	1,195	171	1	172	14.39	1,133	125	6	131	11.56
[illegible]	2,758	316	12	328	11.89	1,409	179	8	187	13.27	1,347	137	4	141	10.47
[illegible]	2,706	310	22	332	12.27	1,406	170	13	183	13.02	1,297	140	9	149	11.49
[illegible]	2,842	246	30	276	9.71	1,509	144	20	164	10.87	1,329	102	10	112	8.43
[illegible]	2,626	246	38	284	10.81	1,331	137	23	160	12.02	1,291	109	15	124	9.60
[illegible]	3,013	231	51	282	9.34	1,546	137	24	161	10.41	1,467	94	27	121	8.25
[illegible]	3,198	211	73	284	8.88	1,664	132	42	174	10.46	1,530	79	31	110	7.19
[illegible]	3,149	232	97	329	10.45	1,686	138	44	182	10.79	1,460	94	53	147	10.07
[illegible]	3,036	172	113	285	9.39	1,601	106	61	167	10.43	1,431	66	52	118	8.25
[illegible]ber	2,766	146	118	264	9.54	1,448	83	75	158	10.91	1,314	63	43	106	8.07
[illegible]ecember	3,233	188	171	359	11.10	1,701	101	93	194	11.41	1,529	87	78	165	10.79

* Excluding 30 in unknown month,—11 males, 15 females, and 4 unknown sex.

EXHIBIT 4.—*The Months of Birth and of Death of Children Born in 1879 who Died Under One Year of Age.*

	Born in 1879, Died under 1 Year of Age.	Months of Death, 1879.												Months of Death, 1880.												Per Cent. Died Aged under 1 month.[a]	Births in 1879, as Returned.[b]	Per Cent. of Children who Died aged under 1 month to all Children born.[c]
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.			
Died under 1 Yr.	3,581	106	141	207	207	194	176	278	373	310	287	239	331	90	100	82	81	53	45	86	94	66	27	8	....	.....	34,092	.....
January	255	106	20	14	16	8	7	26	28	7	13	3	7	..	....	....	....	....	....	....	....	....	....	....	....	41.57	2,429	4.36
February	303	....	121	38	22	21	13	15	29	15	11	7	4	7	..	....	....	....	....	....	....	....	....	....	....	39.93	2,331	5.19
March	328	....	....	155	31	11	7	22	41	19	11	12	7	5	7	..	....	....	....	....	....	....	....	....	....	47.26	2,758	5.62
April	332	....	....	....	138	33	14	27	41	26	10	12	9	8	8	6	..	....	....	....	....	....	....	....	....	41.57	2,706	5.10
May	276	....	....	....	....	121	15	32	38	12	10	7	11	5	5	13	7	..	....	....	....	....	....	....	....	43.84	2,842	4.26
June	284	....	....	....	....	....	120	30	25	23	26	10	12	6	5	12	11	4	..	....	....	....	....	....	....	42.25	2,626	4.57
July	282	....	....	....	....	....	....	126	34	27	18	9	17	13	13	2	14	4	5	..	....	....	....	....	....	44.68	3,018	4.17
August	284	....	....	....	....	....	....	....	137	26	25	9	14	5	10	11	14	10	9	14	..	....	....	....	....	48.24	3,198	4.28
September	329	....	....	....	....	....	....	....	....	155	26	29	22	10	8	11	7	6	8	18	29	..	....	....	....	47.11	3,149	4.92
October	285	....	....	....	....	....	....	....	....	....	137	12	23	13	14	13	5	11	7	19	17	14	..	....	....	48.07	3,036	4.51
November	264	....	....	....	....	....	....	....	....	....	....	129	17	7	19	6	9	4	5	12	22	22	12	..	....	48.86	2,766	4.66
December	359	....	....	....	....	....	....	....	....	....	....	....	188	11	11	8	14	14	11	23	26	30	15	8	..	52.37	3,233	5.82
Deaths at each Age. No. of Deaths.	3,581	....	....	....	....	....	....	....	....	....	....	....	1633	293	240	221	189	175	157	153	116	155	129	120	....	45.60	.....	4.79
Deaths at each Age. Ages in Months	.....	....	....	....	....	....	....	....	....	....	....	....	-1	1	2	3	4	5	6	7	8	9	10	11	....	.....	.....	.....

[a] That is, per cent. of children who died during month of birth to total born in 1879 who died aged under one year.
[b] Excluding 30 in unknown month,—11 males, 15 females, and 4 of unknown sex.
[c] That is, of the children born in 1879, the per cent. who died during month of birth,—according to the returns of births and of deaths. It should be borne in mind that probably a larger proportion of the births and of the deaths are returned for the latter months of the year.

MONTHS OF GREATEST DANGER TO CHILDREN AGED UNDER ONE YEAR.

According to the data given in Exhibit G, and Tables V. and VI., on previous pages, the month of August was found to be the one of greatest danger to children aged under one year. Exhibit 4 on page 133, also contains important evidence on this interesting subject, and may be studied as follows: 255 children were born in January, 1879, who died aged under one year, of which 106 died in January, 20 died in February, 14 died in March, and 16 died in April, etc. In like manner can be traced the months of deaths of children born in each month of the year 1879, who died aged under one year. The figures in the line next to the bottom show the number of children who were born in 1879 who died at each month of age under one year. Of the 3,581 children born in 1879 who died before reaching the age of one year, 1,633 died in the month of birth, 293 lived to the age of one month, 240 lived to the age of two months, etc. The column of figures the third from the last shows what per cent. of the children born in each month of the year 1879, died aged under one month. The smallest per cent. is for February, the largest for December; that is, the chances of living past the age of one month are better for children born in February than for those born in any other month.

EXHIBIT 5.—*The Relation, by Months, by Total, and by Sex, of the Decedents Aged under One Month to the Births in Michigan during the Year ending December 31, 1880.*

SEX, ETC., SPECIFIED.	YEAR, 1880.	MONTHS, 1880.												
		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Total: Births	35,323	2,325	2,513	2,850	2,824	2,880	2,772	3,011	3,285	3,278	3,173	3,068	3,278	36
Total: Deaths aged under one month.*	1,678	98	142	124	149	110	110	127	160	139	133	159	226	1
Total: Per Cent. of Deaths to Births	4.75	4.16	5.65	4.35	5.28	3.82	3.97	4.22	4.87	4.24	4.19	5.18	6.89	2.78
Male: Births	18,373	1,234	1,335	1,506	1,502	1,472	1,424	1,563	1,682	1,673	1,646	1,628	1,690	18
Male: Deaths aged under one month	931	55	88	76	91	60	55	72	74	74	65	86	134	1
Male: Per Cent. of Deaths to Births	5.07	4.46	6.59	5.05	6.06	4.08	3.86	4.61	4.40	4.42	3.95	5.28	7.93	5.56
Female: Births	16,888	1,119	1,171	1,342	1,318	1,403	1,345	1,442	1,599	1,598	1,522	1,436	1,578	15
Female: Deaths aged under one month	709	41	51	48	56	48	53	52	82	60	63	70	85	.....
Female: Per Cent. of Deaths to Births	4.20	3.66	4.36	3.58	4.25	3.42	3.94	3.61	5.13	3.75	4.14	4.87	5.39	.....
Unk.: Births	62	2	7	2	4	5	3	6	4	7	5	4	10	3
Unk.: Deaths aged under one month	38	2	3	.....	2	2	2	3	4	5	5	3	7	.....

* Still-births included.

6, previous page, shows the relation of decedents aged under one month to births, by months. It appears that nt. of the children born in 1880 died aged under one month, and that the per cent. among males is greater than males.

DEATHS OF CENTENARIANS.

eight persons—six males and two females are returned as having died at the remarkable age of one hundred years and he recorded facts concerning these decedents are given in Table IX. The cause of death of six out of the eight old age, one from paralysis and one from consumption. Three were native-born and five were foreign-born.

IX.—*Deaths Returned as having occurred in Michigan during the Year 1880 of Persons Aged One hundred Years and Over, Exhibiting certain Details concerning them included in the Returns.*

NAMES OF CENTENARIANS, 1880.	SEX.	Color.	Married, Single, or Widowed.	Birthplace.	AGE.			Occupation.	PLACE OF DEATH.		DATE OF DEATH, 1880.		Cause of Death.
					Years.	Months.	Days.		Town.	County.	Month.	Day.	
Susan Bigbone	Female	Indian	Married	Michigan	103	2	----	Mat-weaver.	Harbor Sp's.	Emmet	August	4	Old Age.
John B. Bonneau	Male	White.	Widower	Canada	109	----	----	Not given	Sault Ste. Marie	Chippewa	June	30	Old Age.
Peter M. George	Male	White.	Single	Canada	104	----	----	U. S Pensioner, war of 1812	Erin	Macomb	May	26	Old Age.
Charlotte Hill	Female	White.	Widow	Vermont	104	----	----	House-k'p'r.	Reynolds	Montcalm	May	8	Old Age.
Kabacone	Male	Indian	Widower	Michigan	101	----	----	Not given	Buena Vista.	Saginaw	April	15	Old Age.
Duncan McKay	Male	White.	Single	Scotland	104	----	----	Farmer	----------	Alcona	February	24	Old Age.
John P. Simpson	Male	White.	Widower	England	100	2	2	Farmer	Detroit	Wayne	December	20	Paralysis.
John Ganez	Male	White.	Married	Ireland	104	----	----	Laborer	Detroit	Wayne	December	9	Consumpt'n.

DELINQUENT TOWNSHIPS.

Exhibit H shows the names of 19 counties representing over thirty townships from which no returns of deaths for the year 1880 were received. This number is not quite as large as in former years, and indicates some improvement in this respect; but there should be a report from every township in the State, and it is the duty of every supervisor and assessor to make such a report to his county clerk whether or not any deaths occur in his township.

EXHIBIT H.—*Counties and Townships from which no Returns of Deaths for 1880 were received by this Department, showing Population in 1880, by Sex.*

Counties.	Townships from which no Returns of Deaths for 1880 were Received.	Population, June 1, 1880.															
		Total.			Color or Race.									Nativity.			
					White.			Black and Mulatto.			Indian.			Native.		Foreign.	
		Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Males.	Females.	Males.	Females.
Total		12,897	7,737	5,160	12,525			18			354			2,059	1,531	764	385
Alpena	Briley [ab]																
[illegible]nabeygan	Ellis [ab]																
[illegible]ppewa	Detour	471	285	186	366			11			94						
	Sugar Island	544	274	270	369			1			174						
	Superior [b]																
[illegible]	Baldwin	295	183	112	295												
	Sack Bay	301	174	127	301												
[illegible] Traverse	East Bay [a]	654	373	281	654	373	281							290	217	83	64
[illegible]	Hume	938	497	441	938												
	Verona	740	389	351	740												
[illegible]	Plainfield [a]	61	33	28	61												
[illegible]	Gilmore [a]	261	144	117	261												
	Sherman [a]	382	206	176	382												
[illegible]	All Townships	55	31	24	55	31	24							18	16	13	8
[illegible]	Springfield [a]	404	242	162	404	242	162							166	136	76	26
[illegible]	Elk [a]	156	123	33	155						1						
[illegible]	Elmwood [a]	438	256	182	437			1									

	Brevort[b]																
	Hendricks	434	294	140	409						25						
	Lakefield[b]																
	Richmond[a]	750	440	310	750												
	Ingallston[a]	195	119	76	195												
	Nadeau[ab]																
	Stevenson[a]	1,222	802	420	1,221			1									
	Home	1,982	1,276	706	1,981	1,275	706	1						946	621	330	85
	Bridgeport[a]	1,644	901	743	1,642	900	742	2						639	541	262	202
ft	Munising[a]	270	174	96	210						60						
	Onota[a]	420	373	47	419			1									
	Liberty[a]	109	63	46	109												
Wexford	South Branch[ab]																
	Concord[a]	171	85	86	171												

[a] County Clerk says there were no returns of deaths from the supervisor.
[b] Organized since Census was taken.

TOWNSHIPS IN WHICH NO DEATHS OCCURRED.

The townships, in which it is reported there were no deaths in 1880, represent a population of 16,230 and over. It is hardly probable that such townships as Spencer, in Kent county, with a population of 1,196, and Independence, in Oakland county, with a population of 1,386, had *no deaths*. Such cases should be investigated by the county clerks, and ascertain if possible whether the statement is correct or not. It is not safe to conclude because there is no report that there are *no deaths*.

EXHIBIT I.—*Counties and Townships in which it is Reported that no Deaths Occurred in 1880.*

COUNTIES.	TOWNSHIPS, NO DEATHS IN 1880.	POPULATION.		
		Total.	Males.	Females.
Total		16,230	9,550	6,680
Alcona	Curtis[a]	------	------	------
Alpena	Ossineke	244	172	72
Antrim	Kearney	306	170	136
Bay	Mason	112	67	45
Charlevoix	Boyne Valley	451	237	214
Clare	Winterfield	273	168	105
Crawford	Ball	66	38	28
	Beaver Creek	85	45	40
	Center Plains	154	86	68
	Grove	166	97	69
	Maple Forest	80	56	24
	South Branch	192	104	88
Delta	Winona	78	43	35
Emmet	Maple River	164	83	81
Iosco	Alabaster	266	148	118
	Grant	174	105	69
Kalkaska	Boardman	367	185	182
	Garfield[a]	------	------	------
	Oliver[a]	------	------	------
	Excelsior	168	96	72
Kent	Spencer	1,196	649	547
Lake	Glencoe	126	91	35
	Eden	92	49	43
Manistee	Bear Lake	777	438	339
	Maple Grove	97	50	47
	Springdale	102	61	41
Manitou	Galilee	177	100	77
Marquette	Negaunee	335	197	138
	Forsyth	291	179	112
Mason	Branch	400	277	123
	Summit	387	224	163
	Lincoln	140	84	56
Mecosta	Austin	687	394	293
	Martiny	192	134	58
Menominee	Cedarville	229	171	58
Midland	Geneva	237	158	79
	Hope	455	242	213
	Jerome	339	177	162
	Larkin	210	124	86
Missaukee	Ætna[a]	------	------	------
	Bradford[a]	------	------	------
	Caldwell	104	52	52
	Forest	50	29	21
	Reeder	323	201	122
	Riverside	158	93	65
Oakland	Independence	1,386	711	675
Oceana	Colfax	185	115	70
Ogemaw	Beaver Lake[a]	------	------	------
	Cumming	122	91	31
	Edwards	306	210	96
	Foster	206	114	92
Ontonagon	Carp Lake	73	48	25
Osceola	Middle Branch	169	101	68
Oscoda	Atherton[a]	------	------	------
	Mt. Pindus[a]	------	------	------
Otsego	Corwith	206	116	90
	Elmira	225	112	113
	Hayes	101	50	51
	Otsego Lake	596	367	229
Presque I.	Bismarck	100	63	37
	Presque Isle	228	138	90
Roscom'on	Denton	210	162	48
	Gerrish	214	196	18
	Nester	234	228	6
Saginaw	Lakefield	193	104	[illegible]
	Richland	700	377	[illegible]
Tuscola	Wisner	329	[illegible]	[illegible]

[a] Organized since Census was taken.

N.—*Exhibiting, for the State and Counties, by Sex, the Number of Deaths Returned as having Occurred in Michigan ring the Year 1880, and in each Month of the Year; also the Number of Deaths at each Period of Age.*

COUNTIES.	SEX.	YEAR, 1880.	MONTHS, 1880.													AGES IN PERIODS OF YEARS, 1880.																
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
	Total	16,102	860	1002	1149	1289	1166	1036	1527	1780	1676	1471	1486	1617	43	6433	1114	588	643	680	603	513	556	460	461	416	474	557	564	568	511	639	322
	Males	8,645	451	556	604	683	619	553	836	939	907	795	822	852	28	3519	591	304	296	316	268	245	260	235	264	241	269	330	334	339	296	355	183
	Females	7,410	407	442	545	601	545	479	688	834	764	671	661	758	15	2872	523	284	347	364	335	268	296	225	197	175	205	227	230	229	215	284	134
	Unknown	47	2	4	....	5	2	4	3	7	5	5	3	7	..	42	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	5
Alcona	Total	12	....	....	1	....	5	1	1	2	....	....	1	1	..	4	3	....	....	....	1	....	....	....	1	1	....	1	....	....	....	....	1
	Males	7	....	....	....	....	2	1	1	2	....	....	1	....	..	3	2	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1
	Females	5	....	....	1	....	3	....	....	....	....	....	....	1	..	1	1	....	....	....	1	....	....	....	1	....	....	1	....	....	....	....	....
Allegan	Total	310	18	16	33	27	19	19	24	41	24	37	24	28	..	126	10	7	15	12	10	9	10	10	12	6	13	12	10	16	11	18	3
	Males	153	9	4	10	15	8	13	13	23	14	18	13	13	..	58	5	1	9	6	3	5	5	5	6	4	6	11	4	6	7	10	2
	Females	157	9	12	23	12	11	6	11	18	10	19	11	15	..	68	5	6	6	6	7	4	5	5	6	2	7	1	6	10	4	8	1
Alpena	Total	67	4	3	3	6	3	3	7	15	2	5	6	10	..	44	1	1	2	5	1	3	....	1	2	....	1	2	....	1	....	1	2
	Males	31	1	3	....	4	2	1	2	8	1	1	5	3	..	19	1	....	2	1	1	1	....	1	1	....	1	....	....	....	....	1	2
	Females	35	3	....	3	2	1	2	5	6	1	4	1	7	..	24	....	1	....	4	....	2	....	....	1	....	....	2	....	1	....	....	....
	Unknown	1	....	....	....	....	....	....	....	1	....	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Antrim	Total	40	6	3	1	3	3	4	2	7	4	3	1	3	..	20	2	1	2	....	2	2	2	1	....	....	2	....	2	....	2	1	1
	Males	22	3	2	1	1	3	3	1	3	2	2	....	1	..	12	1	1	1	....	....	1	1	....	....	....	1	....	1	....	2	....	1
	Females	18	3	1	....	2	....	1	1	4	2	1	1	2	..	8	1	....	1	....	2	1	1	1	....	....	1	....	1	....	....	1	....

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1880.*

Counties.	Sex.	Total.	Months, 1880.												Ages in Periods of Years, 1880.																	
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Hillsdale	Total	16	1		2	2			2	2		....	..	6	..	4	..	1	....	1	1	1	....	1	..	....	1	..	..	..	..	..	..
	Males	7			1			..	1	2		..	..	3	..	5	....	....	....	....	1	1	....	....	....	....	....	..	..	..	..	..	..
	Females	7	1		1	2		..	1		..		.	2	..	3	....	1	....	1	....	....	....	1	....	....	1	..	..	..	..	..	..
Ionia	Total	218	11	15	18	11	21	15	13	25	24	18	16	24	..	72	9	9	12	6	7	10	6	6	10	7	9	9	15	5	5	20	1
	Males	111	8	7	6	8	16	6	4	11	16	7	4	15	..	33	7	3	7	2	2	2	1	3	6	4	5	3	7	1	3	11	..
	Females	118	3	8	12	3	12	11	9	10	8	11	11	9	..	39	2	6	5	4	5	8	5	3	4	3	4	6	8	4	2	9	1
Iosco	Total	204	20	24	24	20	16	25	35	51	44	35	40	30	1	223	34	12	12	10	11	9	12	12	10	9	3	10	9	5	2	6	..
	Males	111	11	15	10	14	8	11	25	25	27	22	25	14	1	128	24	5	8	5	5	5	6	8	6	6	3	7	5	3	..	3	..
	Females	174	9	9	14	21	7	13	11	26	17	13	14	16	..	94	14	7	9	5	6	4	6	4	4	3	....	3	4	2	2	3	..
	Unknown	1						1		.	....	..	....	..	..	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..
Isabella	Total	41		4	1	1	1	8	5	7	5	7	6	1	1	22	1	..	3	4	1	2	2	2	1	2	1	..	..	1	2	1	2
	Males	21		2		1	1	2	2	4	3	1	3	1	1	9	....	....	1	1	1	1	....	2	1	1	1	..	..	1	1	1	..
	Females	14		2	1			6	3	3	2	6	3	....	..	11	1	....	2	3	....	1	2	....	....	1	....	..	..	..	1	..	2
	Unknown	2						1	..	.	. .	1	..	..	..	2	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Berrien	Total	344	23	17	26	33	30	18	33	35	29	28	31	30	.	188	19	8	14	12	16	9	9	8	10	13	11	11	12	18	20	9	2
	Males	192	10	10	18	19	17	10	23	19	19	25	18	16	..	85	10	4	7	6	6	6	3	4	8	10	8	8	7	11	13	6	..
	Females	152	13	7	18	14	13	8	10	16	10	3	13	14	;	53	9	4	7	6	10	3	6	4	2	3	3	3	5	2	7	3	2

Branch	Total	252	16	13	22	24	23	18	19	12	28	27	16	34	..	70	14	9	13	15	7	6	14	8	7	10	12	5	18	19	16	6	3
	Males	133	8	3	14	16	11	9	9	7	18	15	8	15	..	38	6	3	8	7	3	3	2	2	4	6	8	3	15	9	9	4	3
	Females	118	8	9	8	8	12	9	10	5	10	12	8	19	..	31	8	6	5	8	4	3	12	6	3	4	4	2	3	10	7	2	..
	Unknown	1	....	1	....	....	....	....	....	....	....	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	..	..	..	.	..	..
Calhoun	Total	361	17	16	27	25	28	29	33	45	31	24	46	37	3	92	7	11	13	16	15	23	11	12	13	12	14	27	22	22	11	25	15
	Males	185	9	7	16	9	10	15	20	24	21	7	25	19	3	44	3	6	5	5	8	11	6	3	6	8	7	18	14	13	7	15	6
	Females	169	8	9	11	15	18	13	13	18	10	17	19	18	..	42	4	5	8	11	7	12	5	9	7	4	7	9	8	9	4	10	8
	Unknown	7	....	....	....	1	....	1	....	3	....	....	2	....	..	6	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	1
Cass	Total	163	7	5	9	14	11	18	15	21	14	19	16	14	..	46	6	4	8	10	8	11	8	5	9	4	5	4	12	8	8	4	3
	Males	86	5	2	6	8	6	6	7	10	10	8	12	6	..	26	4	2	2	3	2	9	4	1	4	3	3	3	7	6	5	2	..
	Females	76	2	3	3	6	4	12	8	11	4	11	4	8	..	19	2	2	6	7	6	2	4	4	5	1	2	1	5	2	3	2	3
	Unknown	1	....	....	....	....	1	....	....	....	....	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Charlevoix	Total	41	....	1	1	1	5	2	6	5	4	8	5	3	..	21	2	2	3	2	....	....	1	....	1	....	3	..	2	2	..	2	..
	Males	27	....	1	....	1	3	1	5	3	4	6	1	2	..	18	2	1	1	1	....	....	....	....	....	....	2	..	1	..	..	1	..
	Females	14	....	....	1	....	2	1	1	2	....	2	4	1	..	3	....	1	2	1	....	....	1	....	1	....	1	..	1	2	..	1	..
Cheboygan	Total	50	2	....	5	3	3	4	9	7	2	3	3	9	..	26	2	2	2	....	1	1	3	1	1	....	....	3	..	..	1	3	4
	Males	27	2	....	1	1	2	4	4	3	1	3	2	4	..	16	2	1	1	....	....	1	....	1	1	....	....	2	..	..	..	1	1
	Females	23	....	....	4	2	1	....	5	4	1	....	1	5	..	10	....	1	1	....	1	....	3	....	....	....	....	1	..	..	1	2	3
Chippewa	Total	29	3	1	2	3	2	5	2	4	3	3	....	1	..	17	3	1	....	2	1	....	....	....	....	....	....	1	2	..	..	2	..
	Males	13	1	1	....	1	2	3	1	3	....	1	....	....	..	6	2	....	....	2	1	....	....	....	....	....	....	..	..	..	..	2	..
	Females	16	2	....	2	2	....	2	1	1	3	2	....	1	..	11	1	1	....	....	....	....	....	....	....	....	....	1	2	..	..	..	..
Clare	Total	69	2	3	6	10	5	7	10	4	8	5	5	4	..	21	19	9	5	2	2	....	1	1	....	....	....	3	..	2	..	..	4
	Males	28	1	2	3	3	1	4	3	2	4	....	3	2	..	4	8	6	1	2	1	....	1	....	....	....	....	2	..	..	..	..	3
	Females	40	1	1	3	6	4	3	7	2	4	5	2	2	..	17	11	3	4	....	1	....	....	1	....	....	....	1	..	2	..	..	..
	Unknown	1	....	....	....	1	....	....	....	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	1

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1880.*

COUNTIES.	SEX.	YEAR, 1880.	MONTHS, 1880.													AGES IN PERIODS OF YEARS, 1880.																		
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Clinton	Total	191	5	10	10	10	14	5	20	26	29	19	19	24	..	63	14	9	9	10	9	5	10	6	9	4	12	4	8	5	7	7	..
	Males	94	....	6	3	4	7	2	10	12	13	11	12	14	..	35	4	4	4	5	4	2	4	3	5	2	6	2	6	3	3	2	..
	Females	96	5	4	7	6	7	3	10	14	15	8	7	10	..	27	10	5	5	5	5	3	6	3	4	2	6	2	2	2	4	5	..
	Unknown	1	....	....	....	....	....	....	....	....	1	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Crawford	Total	4	....	1	....	....	1	1	1	....	....	....	....	....	..	1	1	....	....	....	....	....	1	....	....	....	1	..	..	..	..	..	..
	Males	3	....	1	....	....	....	1	1	....	....	....	....	....	..	1	1	....	....	....	....	....	1	....	....	....	....	..	..	..	..	..	..
	Females	1	....	....	....	....	1	....	....	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	1	..	..	..	..	..	..
Delta	Total	60	3	3	4	3	3	2	8	13	5	2	6	8	..	28	5	....	7	2	5	2	1	2	1	....	1	..	1	..	1	..	4
	Males	40	2	1	4	1	3	1	6	9	2	2	5	4	..	19	1	....	4	2	3	1	....	2	1	....	1	..	1	..	1	..	4
	Females	20	1	2	....	2	....	1	2	4	3	....	1	4	..	9	4	....	3	....	2	1	1	....	....	....	....	..	..	..	..	..	..
Eaton	Total	275	15	25	26	11	20	20	16	30	27	31	24	30	..	101	16	5	15	12	7	5	9	5	10	5	8	13	16	10	15	16	7
	Males	152	8	14	18	9	9	12	7	18	13	11	15	18	..	50	8	4	9	5	4	2	7	3	4	2	4	9	12	6	9	9	5
	Females	122	7	11	8	2	11	8	9	12	13	20	9	12	..	50	8	1	6	7	3	3	2	2	6	3	4	4	4	4	6	7	2
	Unknown	1	....	....	....	....	....	....	....	....	1	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Emmet	Total	82	4	7	7	9	3	5	10	8	7	8	8	6	..	62	2	1	2	4	3	1	....	1	1	....	1	2	1	..	..	1	..
	Males	49	4	4	2	6	1	2	7	5	5	4	5	4	..	38	2	....	....	2	1	1	....	1	1	....	1	1	1	..	..	..	..
	Females	33	....	3	5	3	2	3	3	3	2	4	3	2	..	24	....	1	2	2	2	....	....	....	....	....	....	..	1	..	..	1	..
Genesee	Total	326	18	11	22	28	26	14	24	38	28	36	43	38	..	103	25	13	15	20	8	6	14	13	15	11	10	15	13	11	18	15	1
	Males	169	9	4	11	15	13	8	13	18	17	20	28	13	..	63	14	8	2	7	4	2	6	6	9	4	8	7	6	4	12	7	..
	Females	157	9	7	11	13	13	6	11	20	11	16	15	25	..	40	11	5	13	13	4	4	8	7	6	7	2	8	7	7	6	8	1

Gladwin	Total	7	....	1	....	1	1	....	....	1	....	1	....	2	..	5	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	1	..	1
	Males	2	....	....	....	....	1	....	....	....	....	....	....	1	..	2	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
	Females	4	....	....	....	1	....	....	....	1	....	1	....	1	..	3	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	1	..	..
	Unknown	1	....	1	....	....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	1
Gr. Traverse	Total	42	....	3	3	2	1	2	9	7	3	5	6	1	..	11	5	1	2	7	1	1	3	2	2	1	1	3	..	1	1	..	..	
	Males	20	....	2	2	1	1	1	2	3	1	4	2	1	..	4	3	1	....	3	....	1	1	2	2	....	1	1	..	..	1	..	..	
	Females	22	....	1	1	1	....	1	7	4	2	1	4	....	..	7	2	....	2	4	1	....	2	....	....	1	....	2	..	1	..	..	..	
Gratiot	Total	154	7	8	14	10	5	10	19	14	21	10	17	18	1	50	14	14	13	6	5	5	1	3	1	3	9	9	3	5	2	8	3	
	Males	80	7	5	8	6	4	5	6	4	13	4	10	7	1	29	6	5	5	3	4	2	....	1	1	2	6	7	1	1	1	5	1	
	Females	74	....	3	6	4	1	5	13	10	8	6	7	11	..	21	8	9	8	3	1	3	1	2	....	1	3	2	2	4	1	3	2	
Hillsdale	Total	248	16	22	12	17	21	16	22	18	36	22	21	24	1	57	7	7	11	11	10	6	14	9	11	3	7	12	18	22	22	21	..	
	Males	134	6	14	6	9	8	7	13	11	20	13	10	16	1	32	4	2	6	3	6	2	3	5	4	1	2	8	10	15	17	14	..	
	Females	114	10	8	6	8	13	9	9	7	16	9	11	8	..	25	3	5	5	8	4	4	11	4	7	2	5	4	8	7	5	7	..	
Houghton	Total	298	18	8	14	24	14	8	38	59	23	33	24	34	1	199	11	11	10	8	6	7	6	8	5	7	2	3	2	2	4	1	6	
	Males	165	14	7	10	10	8	5	25	29	12	17	13	14	1	102	7	9	5	6	3	6	4	4	3	6	1	2	1	1	1	1	3	
	Females	133	4	1	4	14	6	3	13	30	11	16	11	20	..	97	4	2	5	2	3	1	2	4	2	1	1	1	1	1	3	..	3	
Huron	Total	160	8	14	15	17	6	11	14	5	12	13	19	26	..	87	12	6	7	5	6	5	3	5	2	4	3	4	1	4	3	3	..	
	Males	78	2	8	9	13	3	6	9	2	6	4	11	5	..	45	4	1	1	2	2	3	2	2	2	4	2	1	..	3	2	2	..	
	Females	77	6	6	6	4	3	5	5	3	6	9	8	16	..	37	8	5	6	3	4	2	1	3	....	....	1	3	1	1	1	1	..	
	Unknown	5	....	....	....	....	....	....	....	....	....	....	....	5	..	5	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	
Ingham	Total	245	12	9	11	17	18	13	23	33	35	24	29	21	..	80	12	8	14	12	13	8	7	5	11	11	9	15	8	6	9	14	3	
	Males	123	9	5	5	11	5	7	9	12	21	14	11	14	..	47	5	3	8	7	4	2	2	1	4	7	5	6	5	3	4	10	..	
	Females	121	3	4	6	6	13	6	14	21	14	9	18	7	..	32	7	5	6	5	9	6	5	4	7	4	4	9	3	3	5	4	3	
	Unknown	1	....	....	....	....	....	....	....	....	....	1	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1880.*

COUNTIES.	SEX.	YEAR, 1880.	MONTHS, 1880.													AGES IN PERIODS OF YEARS, 1880.																		
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Ionia	Total	287	13	16	20	26	28	24	25	39	31	22	22	20	1	94	14	7	11	9	16	9	10	7	5	13	12	15	17	15	14	17	2
	Males	134	6	9	14	12	10	12	14	14	14	8	9	11	1	43	9	1	5	2	9	3	2	2	5	5	4	5	6	11	8	13	1
	Females	151	7	7	6	14	18	12	11	23	17	14	13	9	..	49	5	6	6	7	7	6	8	5	....	8	8	10	11	4	6	4	1
	Unknown	2	....	....	....	....	....	....	....	2	....	....	....	....	..	2	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Iosco	Total	39	2	3	3	4	3	2	5	7	1	4	4	1	..	23	4	....	1	2	1	1	....	2	2	....	....	..	1	..	..	..	2
	Males	19	....	2	2	3	1	2	3	3	....	2	1	....	..	9	4	....	1	1	....	....	....	1	1	....	....	..	..	..	..	..	2
	Females	20	2	1	1	1	2	....	2	4	1	2	3	1	..	14	....	....	....	1	1	1	....	1	1	....	....	..	1	..	..	..	..
Isabella	Total	166	8	8	9	14	11	12	8	18	21	18	16	16	7	72	19	16	5	8	4	3	4	4	3	2	3	5	4	2	2	5	5
	Males	93	3	4	5	9	4	7	5	14	11	11	7	11	2	42	10	9	2	6	2	1	....	3	....	2	2	2	2	1	2	4	3
	Females	73	5	4	4	5	7	5	3	4	10	7	9	5	5	30	9	7	3	2	2	2	4	1	3	....	1	3	2	1	..	1	2
Isle Royal.*		.....	....	....	....	....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Jackson	Total	326	14	19	25	34	27	19	26	33	37	27	26	39	..	115	12	8	10	8	10	8	19	9	10	18	12	11	19	17	22	16	2
	Males	180	9	13	18	16	17	8	10	16	19	20	13	21	..	61	8	4	4	5	4	7	8	6	2	14	4	7	10	10	14	10	2
	Females	146	5	6	7	18	10	11	16	17	18	7	13	18	..	54	4	4	6	3	6	1	11	3	8	4	8	4	9	7	8	6	..
Kalamazoo	Total	382	23	30	31	29	23	24	39	47	53	29	25	26	3	97	13	12	15	13	12	17	15	20	19	17	14	26	20	19	15	26	7
	Males	204	10	16	18	17	12	9	22	28	32	14	13	11	2	56	9	3	8	8	4	8	11	9	10	9	10	11	12	10	5	15	6
	Females	178	13	14	13	12	11	15	17	19	21	15	12	15	1	41	4	9	7	10	8	9	4	11	9	8	4	15	8	9	10	11	1

Kalkaska	Total	17	....	....	....	2	3	2	....	2	3	2	....	3	..	8	....	1	....	....	1	1	1	....	1	1	1	1	..	..	..	1	..
	Males	10	....	....	....	1	3	1	....	....	2	2	....	1	..	6	....	1	....	....	....	1	1	....	....	....	....	..	..	..	..	1	..
	Females	7	....	....	....	1	....	1	....	2	1	....	....	2	..	2	....	....	....	....	1	....	....	....	1	1	1	1	..	..	..	..	..
Kent	Total	845	45	44	46	78	67	47	74	93	90	86	90	85	..	320	99	37	40	32	25	28	26	24	24	20	26	32	29	28	19	29	7
	Males	448	24	24	25	37	32	28	39	51	45	49	50	44	..	166	49	19	22	15	11	16	10	10	16	10	13	24	17	15	17	15	3
	Females	396	21	19	21	41	35	19	35	42	45	37	40	41	..	153	50	18	18	17	14	12	16	14	8	10	13	8	12	13	2	14	4
	Unknown	1	....	1	....	....	....	....	....	....	....	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Keweenaw	Total	72	3	1	5	3	5	2	5	8	12	3	11	14	..	47	4	2	....	....	3	....	1	2	4	....	1	2	..	3	1	1	1
	Males	39	2	....	3	2	3	1	2	4	7	1	6	8	..	24	2	1	....	....	1	....	1	1	3	....	....	1	..	2	1	1	1
	Females	32	1	1	2	1	2	1	3	4	4	2	5	6	..	22	2	1	....	....	2	....	..	1	1	....	1	1	..	1	..	..	..
	Unknown	1	....	....	....	....	....	....	....	....	1	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Lake	Total	26	1	3	1	3	....	2	5	2	3	2	4	....	..	15	1	2	1	1	1	....	....	1	....	....	....	2	..	..	2	..	..
	Males	16	1	2	1	1	....	1	3	2	2	1	2	....	..	9	1	1	....	1	....	....	....	1	....	....	....	2	..	..	1	..	..
	Females	10	....	1	....	2	....	1	2	....	1	1	2	....	..	6	....	1	1	....	1	....	....	....	....	....	....	..	..	..	1	..	..
Lapeer	Total	239	4	10	13	16	14	18	21	25	25	28	30	33	2	100	9	7	12	4	17	11	5	3	4	5	11	13	10	11	8	8	1
	Males	144	1	8	8	9	10	10	11	17	12	19	17	20	2	63	5	5	7	3	8	7	1	2	2	2	9	9	6	8	4	2	1
	Females	95	3	2	5	7	4	8	10	8	13	9	13	13	..	37	4	2	5	1	9	4	4	1	2	3	2	4	4	3	4	6	..
Leelanaw	Total	97	2	4	7	8	15	8	12	11	7	5	6	12	..	41	7	4	4	7	5	3	2	2	....	1	2	2	4	3	2	3	5
	Males	51	1	2	4	4	9	4	7	6	3	3	1	7	..	19	2	2	2	3	3	1	2	2	....	1	2	..	2	2	1	3	4
	Females	46	1	2	3	4	6	4	5	5	4	2	5	5	..	22	5	2	2	4	2	2	....	....	....	....	....	2	2	1	1	..	1
Lenawee	Total	370	22	18	31	27	24	26	31	43	47	37	32	30	2	104	13	16	15	12	12	15	18	11	10	12	21	19	14	30	23	23	2
	Males	190	15	9	16	11	11	13	19	14	24	18	18	20	2	56	7	8	5	5	6	4	7	4	4	4	9	13	10	20	13	14	1
	Females	179	7	9	15	16	13	12	12	29	23	19	14	10	..	47	6	8	10	7	6	11	11	7	6	8	12	6	4	10	10	9	1
	Unknown	1	....	....	....	....	....	1	....	....	....	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..

* No returns from the county clerk to the State Department.

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1880.*

COUNTIES.	SEX.	YEAR, 1880.	MONTHS, 1880.													AGES IN PERIODS OF YEARS, 1880.																		
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Livingston	Total	169	9	18	13	12	21	14	12	20	9	17	9	14	1	54	8	6	6	8	7	1	5	7	4	....	9	6	14	7	11	16	..
	Males	74	5	8	3	7	11	6	5	8	3	8	4	6	..	20	4	2	3	2	3	....	1	2	2	....	6	1	10	4	5	9	..
	Females	94	4	10	10	4	10	8	7	12	6	9	5	8	1	33	4	4	3	6	4	1	4	5	2	....	3	5	4	3	6	7	..
	Unknown	1	....	....	....	1	....	....	....	....	....	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Mackinac	Total	33	4	1	2	4	8	2	3	1	2	2	2	2	..	11	....	2	3	3	4	1	2	....	2	1	....	..	..	1	2	..	1
	Males	22	4	....	1	4	7	....	2	....	1	....	1	2	..	5	....	2	2	3	4	1	1	....	1	1	....	..	..	1	1	..	..
	Females	11	....	1	1	....	1	2	1	1	1	2	1	....	..	6	....	....	1	....	....	....	1	....	1	....	....	..	..	..	1	..	1
Macomb	Total	256	11	13	22	28	21	18	25	21	31	16	29	20	1	86	7	8	8	9	10	5	10	8	6	9	9	10	16	15	14	25	1
	Males	138	6	6	14	11	15	11	11	13	15	10	19	6	1	46	3	6	3	1	2	3	4	6	4	7	3	5	9	11	9	15	1
	Females	118	5	7	8	17	6	7	14	8	16	6	10	14	..	40	4	2	5	8	8	2	6	2	2	2	6	5	7	4	5	10	..
Manistee	Total	92	8	3	6	9	5	7	13	12	4	5	6	14	..	50	5	2	2	1	4	6	7	3	3	3	1	1	..	..	2	2	..
	Males	56	6	2	3	6	2	5	10	8	2	2	2	8	..	28	3	2	1	1	2	5	3	2	2	2	1	1	..	..	2	1	..
	Females	36	2	1	3	3	3	2	3	4	2	3	4	6	..	22	2	....	1	....	2	1	4	1	1	1	....	..	..	..	..	1	.
Manitou	Total	11	....	....	....	1	....	1	1	2	1	2	1	2	..	4	....	1	1	....	....	....	....	....	....	....	....	..	3	1	..	1	..
	Males	5	....	....	....	1	....	1	1	1	....	....	....	1	..	1	....	1	....	....	....	....	....	....	....	....	....	..	3	..	..	..	..
	Females	6	....	....	....	....	....	....	....	1	1	2	1	1	..	3	....	....	1	....	....	....	....	....	....	....	....	..	..	1	..	1	..

Marquette	Total	384	5	18	5	21	27	24	41	36	40	38	40	44	..	176	26	8	14	13	14	13	17	14	6	8	5	7	4	..	..	5	4
	Males	190	1	10	2	10	10	11	27	18	25	23	28	25	..	96	14	5	7	8	11	6	10	12	4	5	2	6	1	..	..	1	2
	Females	144	4	8	3	11	17	13	14	18	15	10	12	19	..	80	12	3	7	5	3	7	7	2	2	3	3	1	3	..	..	4	2
Mason	Total	97	5	10	6	10	6	....	4	8	22	6	11	6	3	36	16	8	4	4	4	....	5	1	3	3	1	..	1	2	1	1	7
	Males	60	1	6	3	6	5	....	3	6	14	5	9	....	2	22	10	5	2	2	3	....	3	1	2	3	1	..	..	1	..	1	4
	Females	37	4	4	3	4	1	....	1	2	8	1	2	6	1	14	6	3	2	2	1	....	2	....	1	....	....	..	1	1	1	..	3
Mecosta	Total	156	4	3	1	6	9	8	27	23	26	23	10	16	..	56	29	13	7	3	6	7	8	3	3	6	2	2	2	1	4	3	1
	Males	88	1	3	....	2	5	6	16	12	17	13	5	8	..	32	15	7	1	1	5	3	5	2	2	5	1	2	1	1	2	2	1
	Females	68	3	....	1	4	4	2	11	11	9	10	5	8	..	24	14	6	6	2	1	4	3	1	1	1	1	..	1	..	2	1	..
Menominee	Total	127	1	5	4	4	14	7	23	22	18	13	9	7	..	45	8	2	9	16	7	3	5	2	8	1	2	1	..	..	..	..	18
	Males	100	1	4	4	4	13	5	15	17	13	12	8	4	..	33	6	....	8	14	4	2	3	2	8	....	2	1	..	..	..	..	17
	Females	27	....	1	....	....	1	2	8	5	5	1	1	3	..	12	2	2	1	2	3	1	2	....	....	1	....	..	..	..	..	..	1
Midland	Total	94	3	9	11	8	9	4	9	8	14	9	6	4	..	34	16	6	5	6	3	4	2	....	6	....	2	..	..	5	4	1	..
	Males	56	1	6	5	6	8	3	5	5	6	5	3	3	..	21	7	4	4	2	1	4	1	....	3	....	1	..	..	5	3	..	..
	Females	38	2	3	6	2	1	1	4	3	8	4	3	1	..	13	9	2	1	4	2	....	1	....	3	....	1	..	..	..	1	1	..
Missaukee	Total	11	....	....	1	....	2	....	1	....	1	4	....	2	..	5	....	....	....	2	....	2	....	....	1	....	....	..	..	..	1	..	..
	Males	6	....	....	1	....	1	....	....	....	1	1	....	2	..	3	....	....	....	1	....	1	....	....	1	....	....	..	..	..	..	..	-
	Females	4	....	....	....	....	1	....	....	....	....	3	....	....	..	1	....	....	....	1	....	1	....	....	....	....	....	..	..	..	1	..	..
	Unknown	1	....	....	....	....	....	....	1	....	....	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Monroe	Total	360	19	12	18	27	30	21	27	50	40	40	44	32	..	123	29	12	20	13	16	14	8	9	11	8	17	18	20	17	11	14	..
	Males	194	9	8	7	14	13	9	16	28	26	21	25	18	..	72	13	5	9	6	9	4	2	4	6	3	13	11	12	9	7	9	..
	Females	166	10	4	11	13	17	12	11	22	14	19	19	14	..	51	16	7	11	7	7	10	6	5	5	5	4	7	8	8	4	5	..

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1880.*

COUNTIES.	SEX.	YEAR, 1880.	MONTHS, 1880.													AGES IN PERIODS OF YEARS, 1880.																		
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Montcalm	Total	319	7	31	15	21	14	17	33	41	36	36	37	30	1	143	39	24	8	13	9	9	7	7	5	5	5	5	11	6	10	9	4
	Males	168	3	18	5	7	7	11	20	23	17	21	21	15	..	81	24	12	3	6	3	5	3	3	2	3	3	2	4	4	4	3	3
	Females	151	4	13	10	14	7	6	13	18	19	15	16	15	1	62	15	12	5	7	6	4	4	4	3	2	2	3	7	2	6	6	1
Muskegon	Total	288	15	28	19	25	20	17	14	26	39	27	31	26	1	145	26	7	7	9	12	13	12	10	6	5	8	6	8	1	4	3	6
	Males	147	7	19	8	10	10	6	8	13	19	16	20	11	..	77	11	2	2	4	6	7	8	4	3	2	5	2	6	..	2	2	4
	Females	141	8	9	11	15	10	11	6	13	20	11	11	15	1	68	15	5	5	5	6	6	4	6	3	3	3	4	2	1	2	1	2
Newaygo	Total	168	3	9	15	13	8	15	19	17	15	16	11	25	2	61	28	15	2	2	3	4	3	5	2	3	6	4	5	11	4	7	3
	Males	87	1	5	9	7	3	6	8	10	5	10	6	15	2	28	15	7	1	1	2	1	2	2	1	3	4	2	3	6	3	4	2
	Females	81	2	4	6	6	5	9	11	7	10	6	5	10	..	33	13	8	1	1	1	3	1	3	1	....	2	2	2	5	1	3	1
Oakland	Total	330	24	24	28	33	34	17	24	30	33	22	34	25	2	75	13	10	15	25	16	14	16	19	11	9	12	19	14	17	21	18	6
	Males	180	15	16	13	17	18	11	11	19	19	8	18	13	2	42	9	6	6	9	7	7	9	13	6	5	6	11	7	13	14	9	1
	Females	147	9	8	15	16	16	6	12	11	14	12	16	12	..	30	4	4	9	16	9	7	7	6	5	4	6	8	7	4	7	9	5
	Unknown	3	....	....	....	....	....	....	1	....	....	2	....	....	..	3	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Oceana	Total	131	7	8	11	8	8	6	16	18	14	13	14	8	..	48	10	9	5	8	5	4	3	5	4	3	10	4	1	4	4	1	3
	Males	75	3	3	6	6	5	1	11	14	9	5	7	5	..	32	7	8	4	3	2	2	1	2	3	....	2	2	1	2	..	1	3
	Females	56	4	5	5	2	3	5	5	4	5	8	7	3	..	16	3	1	1	5	3	2	2	3	1	3	8	2	..	2	4	..	..
Ogemaw	Total	16	....	2	....	1	1	3	2	2	1	....	3	1	..	5	....	....	....	1	....	1	1	3	2	....	1	..	1	1	..	..	..
	Males	9	....	1	....	1	1	3	1	....	....	....	2	....	..	3	....	....	....	1	....	....	1	1	1	....	1	..	..	1	..	..	..
	Females	7	....	1	....	....	....	....	1	2	1	....	1	1	..	2	....	....	....	....	....	1	....	2	1	....	....	..	1	..	..	..	..

Ontonagon	Total	40	5	7	1	4	3	4	4	3	1	2	3	3	..	21	3	1	....	1	....	1	1	....	2	3	....	3	1	1	..	1	1
	Males	24	1	3	1	4	2	3	3	1	....	1	2	3	..	13	2	....	....	1	....	1	....	....	....	2	....	3	..	1	..	..	1
	Females	16	4	4	....	....	1	1	1	2	1	1	1	....	..	8	1	1	....	....	....	....	1	....	2	1	....	..	1	..	..	1	..
Osceola	Total	166	7	4	13	11	14	6	21	13	21	21	12	23	..	67	26	15	11	6	8	9	5	4	2	....	4	3	..	2	..	2	2
	Males	83	4	2	8	6	4	4	12	6	12	12	3	10	..	32	10	11	4	6	3	2	4	2	2	....	2	2	..	1	..	..	2
	Females	83	3	2	5	5	10	2	9	7	9	9	9	13	..	35	16	4	7	....	5	7	1	2	....	....	2	1	..	1	..	2	..
Oscoda	Total	2	....	....	....	....	....	....	1	....	....	....	1	....	..	1	....	....	....	....	....	....	....	....	....	....	....	..	..	..	1	..	..
	Males	1	....	....	....	....	....	....	....	....	....	....	1	....	..	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	1	..	..
	Females	1	....	....	....	....	....	....	1	....	....	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Otsego	Total	5	....	....	....	3	....	1	....	1	....	....	....	....	..	5	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
	Males	2	....	....	....	....	....	1	....	1	....	....	....	....	..	2	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
	Females	3	....	....	....	3	....	...	....	....	....	....	....	....	..	3	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Ottawa	Total	354	28	33	30	29	26	26	27	38	34	32	23	28	..	151	23	11	12	18	14	10	8	9	13	8	4	12	17	9	12	12	11
	Males	187	18	21	20	20	11	13	15	15	19	12	13	10	..	77	12	6	8	8	3	4	3	5	9	4	1	8	13	6	5	7	8
	Females	165	8	12	10	9	15	13	12	23	15	20	10	18	..	72	11	5	4	10	11	6	5	4	4	4	3	4	4	3	7	5	3
	Unknown	2	2	....	....	....	....	....	....	....	....	....	....	....	..	2	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Presq'e Isle	Total	24	1	3	2	4	1	3	6	....	1	3	....	....	..	14	2	....	1	1	2	1	2	....	....	1	....	..	..	..	..	..	..
	Males	15	1	2	....	3	1	3	3	....	1	1	....	....	..	11	2	....	....	....	1	....	1	....	....	....	....	..	..	..	..	..	..
	Females	9	....	1	2	1	....	....	3	....	....	2	...	....	..	3	....	....	1	1	1	1	1	....	....	1	....	..	..	..	..	..	..
Roscommon	Total	16	....	1	1	....	4	1	3	5	1	....	....	....	..	11	....	1	1	....	2	....	....	1	....	....	....	..	..	..	..	..	..
	Males	11	....	....	1	....	3	....	2	5	....	....	....	....	..	8	....	1	....	....	2	....	....	....	....	....	....	..	..	..	..	..	..
	Females	5	....	1	....	....	1	1	1	....	1	....	....	....	..	3	....	....	1	....	....	....	....	1	....	....	....	..	..	..	..	..	..

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1880.*

COUNTIES.	SEX.	YEAR, 1880.	MONTHS, 1880.													AGES IN PERIODS OF YEARS, 1880.																			
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
[illegible]	Total	783	76	64	50	67	53	62	55	93	67	61	63	72	..	329	91	33	30	32	30	31	24	23	12	18	22	20	15	19	9	21	24
	Males	406	35	29	27	33	35	33	26	47	35	35	30	43	..	162	54	15	15	16	11	17	13	16	5	10	14	10	8	11	5	10	14
	Females	377	41	35	23	34	20	29	29	46	32	26	33	29	..	167	37	18	15	16	19	14	11	7	7	8	8	10	7	8	4	11	10
[illegible]	Total	206	6	19	17	16	9	15	17	27	28	20	13	19	..	94	10	6	10	9	7	9	8	5	3	2	9	10	4	9	3	7	1
	Males	124	5	12	13	10	5	11	11	16	13	10	9	9	..	62	6	3	6	4	2	4	4	3	1	1	6	8	4	5	2	2	1
	Females	82	1	7	4	6	4	4	6	11	15	10	4	10	..	32	4	3	4	5	5	5	4	2	2	1	3	2	..	4	1	5	..
[illegible]	Total	6	....	1	....	1	1	....	2	1	....	....	....	....	..	1	....	....	....	1	....	....	....	....	....	....	....	..	..	..	..	..	..	4
	Males	6	....	1	....	1	1	....	2	1	....	....	....	....	..	1	....	....	....	1	....	....	....	....	....	....	....	..	..	..	..	..	..	4
	Females	.....	....	....	....	....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..
Shiawassee	Total	208	10	13	19	22	14	13	12	31	14	14	27	17	2	75	22	8	6	10	9	11	4	4	7	5	6	6	7	5	6	13	4
	Males	101	7	6	9	9	11	6	3	15	7	7	11	10	..	38	10	4	1	2	4	4	3	1	2	3	2	5	7	3	1	7	4
	Females	104	3	6	10	13	3	7	9	16	6	7	16	6	2	34	12	4	5	8	5	7	1	3	5	2	4	1	..	2	5	6	..
	Unknown	3	....	1	....	....	....	....	....	....	1	....	....	1	..	3	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
St. Clair	Total	414	14	15	28	27	35	29	36	48	33	50	50	48	1	170	43	20	16	15	16	9	11	12	11	9	9	7	8	13	11	15	19
	Males	212	6	8	14	14	14	15	22	25	12	30	24	27	1	87	22	12	8	9	5	4	6	5	7	6	4	2	4	9	7	8	7
	Females	196	8	7	14	12	20	14	13	22	20	20	25	21	..	79	21	8	8	6	11	5	5	7	4	3	5	5	4	4	4	7	10
	Unknown	6	....	....	....	1	1	....	1	1	1	....	1	....	..	4	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	2

St. Joseph	Total	244	15	20	17	11	15	13	22	19	34	25	22	24	1	58	14	9	10	14	8	7	9	8	11	8	11	16	14	14	11	18	4
	Males	110	6	14	8	5	8	4	12	5	11	15	10	12	--	22	7	3	4	7	5	1	5	2	7	3	7	6	8	9	7	6	1
	Females	134	9	12	9	6	7	9	10	14	23	10	12	12	1	36	7	6	6	7	3	6	4	6	4	5	4	10	6	5	4	12	3
Tuscola	Total	206	9	9	15	16	17	7	13	18	16	24	21	41	--	35	14	14	15	9	8	4	9	5	2	6	4	3	5	7	8	8	--
	Males	105	6	6	7	8	7	5	3	9	9	9	13	23	--	55	5	6	4	4	3	2	1	3	----	1	2	3	4	3	6	3	--
	Females	101	3	3	8	8	10	2	10	9	7	15	8	18	--	30	9	8	11	5	5	2	8	2	2	5	2	--	1	4	2	5	--
Van Buren	Total	211	11	15	16	16	23	11	19	22	25	19	19	15	--	76	10	3	11	12	11	8	9	6	4	4	5	14	11	8	5	12	2
	Males	116	3	6	4	10	14	7	12	12	15	11	12	10	--	41	8	1	8	5	1	3	5	2	1	2	2	10	10	4	4	7	2
	Females	95	8	9	12	6	9	4	7	10	10	8	7	5	--	35	2	2	3	7	10	5	4	4	3	2	3	4	1	4	1	5	--
Washtenaw	Total	341	21	27	19	24	10	11	32	32	47	45	28	44	1	90	9	7	9	19	11	10	16	11	12	11	12	15	13	33	27	35	1
	Males	188	12	15	9	16	8	4	18	17	28	24	16	21	--	53	4	4	2	10	5	5	9	4	6	7	6	9	8	19	13	24	--
	Females	152	9	12	10	8	2	7	14	15	19	20	12	23	1	36	5	3	7	9	6	5	7	7	6	4	6	6	5	14	14	11	1
	Unknown	1	----	----	----	----	----	----	----	----	----	1	----	----	--	1	----	----	----	----	----	----	----	----	----	----	----	--	--	--	--	--	--
Wayne	Total	2,437	155	171	219	210	163	174	271	219	219	179	203	251	3	1144	126	54	69	101	88	68	88	64	70	74	56	69	75	68	56	75	92
	Males	1,357	81	96	117	118	92	101	150	122	113	98	117	150	2	662	65	35	32	43	41	29	45	35	50	45	37	43	42	43	29	38	43
	Females	1,079	74	75	102	91	71	73	121	97	106	81	86	101	1	481	61	19	37	58	47	39	43	29	20	29	19	26	33	25	27	37	49
	Unknown	1	----	----	----	1	----	----	----	----	----	----	----	----	--	1	----	----	----	----	----	----	----	----	----	----	----	--	--	--	--	--	--
Wexford	Total	89	4	----	6	2	9	9	18	9	11	3	7	10	1	51	6	9	3	1	5	1	2	----	2	1	----	--	1	3	--	1	3
	Males	41	1	----	2	----	5	7	6	6	6	1	3	3	1	26	1	5	----	----	1	----	2	----	1	----	----	--	--	2	--	1	2
	Females	47	3	----	4	2	4	2	12	3	5	2	4	6	--	24	5	4	3	1	4	1	----	----	1	1	----	--	1	1	--	--	1
	Unknown	1	----	----	----	----	----	----	----	----	----	----	----	1	--	1	----	----	----	----	----	----	----	----	----	----	----	--	--	--	--	--	--

COLOR OF DECEDENTS IN MICHIGAN.

TABLE XI.—*Deaths Returned as having occurred in Michigan during the Year 1880, distinguishing the Color by Number and Proportion of each Sex; and, by Sex, the Per Cent. of Decedents of each Color to Total of All Colors; the Per Cent. of Inhabitants of each Color to Total of All Colors; also the Per Cent. of Decedents to Inhabitants.*

COLOR.	SEX.	Population June 1, 1880.	Number of Deaths Returned.	Per Cent. of Deaths of each Sex to Total of Both Sexes.	Males to 100 Females.	Per Cent. of Deaths of each Color to Total of All Colors, by Sex.	Per Cent. of Inhabitants of each Color to Total of All Colors by Sex, June 1, 1880.[a]	Death-rate.—Per Cent. of Deaths in 1880 to Population in 1880.
All Colors	Total	1,624,040	16,102					.99
	Males	[b] 854,618	8,645	53.85	116.67			
	Females	769,422	7,410	46.15				
	Unknown		47					
White	Total	1,602,035	15,790			98.06	98.65	.99
	Males		8,490	53.87	116.77	98.21		
	Females		7,271	46.13		98.12		
	Unknown		29			61.70		
Black	Total		96			.60		
	Males		55	57.29	134.15	.64		
	Females		41	42.71		.55		
Mulatto	Total		55			.34		
	Males		22	40.00	66.67	.25		
	Females		33	60.60		.45		
Indian	Total	6,895	134			.83	.42	1.94
	Males		71	52.99	112.70	.82		
	Females		63	47.01		.85		
Unknown	Total		27			.17		
	Males		7	77.78	350.00	.08		
	Females		2	22.22		.03		
	Unknown		18			38.23		
Black and Mulatto	Total	15,082	151			.94	.93	1.00
	Males		77	50.99	104.05	.89		
	Females		74	49.01		1.00		

[a] Population represented by returns of deaths in 1880.

[b] Includes 28 Asiatics.

Many interesting features in Table XI. must be omitted because of the incomplete statistics of the population by the United States Census. But much that is valauble still remains, from which it appears that over 98 per cent. of all the deaths [illegible] as having occurred in Michigan in 1880 were white persons. [illegible] the table shows the death-rate among the different [illegible] that the largest death-rate is among

the Indians, the next being among the Black and Mulatto, while the rate among the white people is the same as that for all colors.

The color of decedents by counties can be studied in Table XII.

TABLE XII.—*Exhibiting, by Number and by Sex, for the State and Counties, the Color of All Persons Returned as having Died in Michigan during the Year ending December 31, 1880.*

STATE AND COUNTIES.	All Colors,—1880.				White.				Black.			Mulatto.			Indian.			Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Unknown.
State	16,102	8,645	7,410	47	15,790	8,490	7,271	29	[a] 96	55	41	[b] 55	22	33	[c] 134	71	63	27	7	2	18
Alcona	12	7	5	--	12	7	5	--	----	--	--	----	--	--	----	--	--	----	--	--	--
Allegan	310	153	157	--	304	150	154	--	2	2	--	1	--	1	2	--	2	1	1	--	--
Alpena	67	31	35	1	67	31	35	1	----	--	--	----	--	--	----	--	--	----	--	--	--
Antrim	40	22	18	--	38	22	16	--	----	--	--	----	--	--	2	--	2	----	--	--	--
Baraga	14	7	7	--	6	5	1	--	----	--	--	----	--	--	[d] 8	2	6	----	--	--	--
Barry	218	100	118	--	217	100	117	--	1	--	1	----	--	--	----	--	--	----	--	--	--
Bay	393	222	170	1	380	215	164	1	1	1	--	1	1	--	11	5	6	----	--	--	--
Benzie	47	21	24	2	46	21	23	2	1	--	1	----	--	.	----	--	--	----	--	--	--
Berrien	334	202	132	--	328	196	132	--	3	3	--	----	--	--	----	--	--	3	3	--	--
Branch	252	133	118	1	251	133	117	1	1	--	1	----	--	--	----	--	--	----	--	--	--
Calhoun	361	185	169	7	354	183	167	4	4	2	2	----	--	--	----	--	--	3	--	--	3
Cass	163	86	76	1	150	80	70	--	4	3	1	8	3	5	----	--	--	1	--	--	1
Charlevoix	41	27	14	--	36	23	13	--	----	--	--	----	--	--	5	4	1	----	--	--	--
Cheboygan	50	27	23	--	50	27	23	--	----	--	--	----	--	--	----	--	--	----	--	--	--
Chippewa	29	13	16	--	19	9	10	--	----	--	--	----	--	--	[e] 10	4	6	----	--	--	--
Clare	69	28	40	1	68	28	40	--	----	--	--	----	--	--	----	--	--	1	--	--	1
Clinton	191	94	96	1	190	94	96	--	----	--	--	----	--	--	----	--	--	1	--	--	1
Crawford	4	3	1	--	4	3	1	--	----	--	--	----	--	--	----	--	--	----	--	--	--
Delta	60	40	20	--	59	39	20	--	----	--	--	----	--	--	----	--	--	1	1	--	--
Eaton	275	152	122	1	275	152	122	1	----	--	--	----	--	--	----	--	--	----	--	--	--
Emmet	82	49	33	--	41	25	16	--	----	--	--	----	--	--	41	24	17	----	--	--	--
Genesee	326	169	157	--	320	166	154	--	4	2	2	2	1	1	----	--	--	----	--	--	--
Gladwin	7	2	4	1	7	2	4	1	----	--	--	----	--	--	----	--	--	----	--	--	--
G'd Traverse	42	20	22	--	42	20	22	--	----	--	--	----	--	--	----	--	--	----	--	--	--
Gratiot	154	80	74	--	154	80	74	--	----	--	--	----	--	--	----	--	--	----	--	--	--
Hillsdale	248	134	114	--	247	134	113	--	----	--	--	1	--	1	----	--	--	----	--	--	--
Houghton	298	165	133	--	296	165	131	--	----	--	--	1	--	1	----	--	--	1	--	1	--

[a] 3 males, 2 females "Colored."
[b] 1 female "Octoroon."
[c] 1 male and 1 female ½ Indian, 13 males and 11 females White and Indian, 1 female ¼ Indian, and 1 male "Red."
[d] 1 male and 1 female ½ Indian, 1 male and 1 female White and Indian, and 1 female ¼ Indian.
[e] 2 males and 5 females White and Indian.

TABLE XII.—CONTINUED.—*Deaths by Counties, by Color, and by Sex.*

COUNTIES.	All Colors,—1880.				White.				Black.			Mulatto.			Indian.			Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Unknown.
Huron	160	78	77	5	155	78	77	..	....	..	..	....	..	..	....	..	..	5	..	..	5
Ingham	245	123	121	1	243	122	120	1	1	1	..	1	..	1	....	..	..	....	..	..	..
Ionia	287	134	151	2	285	132	151	2	....	..	..	1	1	..	....	..	..	1	1	..	..
Iosco	39	19	20	..	39	19	20	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Isabella	166	93	73	..	165	92	73	..	....	..	..	....	..	..	1	1	..	....	..	..	..
Isle Royal[a]	.....	.....	.....	..	.....	.....	.....	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Jackson	326	180	146	..	322	177	145	..	[b] 3	3	..	....	..	..	....	..	..	1	..	1	..
Kalamazoo	382	204	178	..	372	199	173	..	[c]	3	2	5	2	3	....	..	..	....	..	..	..
Kalkaska	17	10	7	..	17	10	7	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Kent	845	448	396	1	837	446	391	..	[b] 5	2	3	2	..	2	....	..	..	1	..	..	1
Keweenaw	72	39	32	1	72	39	32	1	....	..	..	....	..	..	....	..	..	....	..	..	..
Lake	26	16	10	..	26	16	10	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Lapeer	239	144	95	..	234	142	92	..	....	..	..	[d] 4	1	3	1	1	..	....	..	..	..
Leelanaw	97	51	46	..	88	49	39	..	....	..	..	....	..	..	9	2	7	....	..	..	..
Lenawee	370	190	179	1	364	190	173	1	1	..	1	5	..	5	....	..	..	....	..	..	..
Livingston	169	74	94	1	168	74	93	1	[e] 1	..	1	....	..	..	....	..	..	....	..	..	..
Mackinac	33	22	11	..	16	11	5	..	....	..	..	....	..	..	[f] 17	11	6	....	..	..	..
Macomb	256	138	118	..	256	138	118	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Manistee	92	56	36	..	92	56	36	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Manitou	11	5	6	..	11	5	6	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Marquette	334	190	144	..	334	190	144	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Mason	97	60	37	..	89	55	34	..	....	..	..	....	..	..	8	5	3	....	..	..	..
Mecosta	156	88	68	..	150	84	66	..	1	1	..	5	3	2	....	..	..	....	..	..	..
Menominee	127	100	27	..	127	100	27	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Midland	94	56	38	..	94	56	38	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Missaukee	11	6	4	1	11	6	4	1	....	..	..	....	..	..	....	..	..	....	..	..	..
Monroe	360	194	166	..	360	194	166	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Montcalm	319	168	151	..	319	168	151	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Muskegon	288	147	141	..	286	146	140	..	....	..	..	2	1	1	....	..	..	....	..	..	..
Newaygo	168	87	81	..	164	84	80	..	....	..	..	1	..	1	[g] 3	3	..	....	..	..	..
Oakland	330	180	147	3	324	178	145	1	3	1	2	1	1	..	....	..	..	2	..	..	2
Oceana	131	75	56	..	130	75	55	..	....	..	..	....	..	..	1	..	1	....	..	..	..
Ogemaw	16	9	7	..	16	9	7	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Ontonagon	40	24	16	..	40	24	16	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Osceola	168	82	85	..	168	81	83	..	....	..	..	....	..	..	2	2	..	....	..	..	..

[a] No returns from county [illegible] [b] 1 male "Colored." [c] 1 male and 1 female "Colored." [d] [illegible] [e] 1 female "Colored." [f] 10 males and 5 females White and Indian. [g] [illegible]

TABLE XII.—CONTINUED.—*Deaths by Counties, by Color, and by Sex.*

COUNTIES.	All Colors,—1880.				White.				Black.			Mulatto.			Indian.			Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Unknown.
Oscoda	2	1	1	--	2	1	1	--	----	---	--	----	--	--	----	--	--	----	--	--	--
Otsego	5	2	3	--	5	2	3	--	----	---	--	----	--	--	----	--	--	----	--	--	--
Ottawa	354	187	165	2	351	186	164	1	2	1	1	----	--	--	----	--	--	1	--	--	1
Presque Isle	24	15	9	--	23	14	9	--	----	---	--	----	--	--	----	--	--	1	1	--	--
Roscommon	16	11	5	--	16	11	5	--	----	---	--	----	--	--	----	--	--	----	--	--	--
Saginaw	783	406	377	--	768	400	368	--	3	---	3	----	--	--	12	6	6	----	--	--	--
Sanilac	206	124	82	--	206	124	82	--	----	---	--	----	--	--	----	--	--	----	--	--	--
Schoolcraft	6	6	------	--	6	6	------	--	----	---	--	----	--	--	----	--	--	----	--	--	--
Shiawassee	208	101	104	3	206	101	104	1	----	---	--	----	--	--	----	--	--	2	--	--	2
St. Clair	414	212	196	6	414	212	196	6	----	---	--	----	--	--	----	--	--	----	--	--	--
St. Joseph	244	110	134	--	242	110	132	--	1	---	1	1	--	1	----	--	--	----	--	--	--
Tuscola	206	105	101	--	206	105	101	--	----	---	--	----	--	--	----	--	--	----	--	--	--
Van Buren	211	116	95	--	207	114	93	--	----	---	--	4	2	2	----	--	--	----	--	--	--
Washtenaw	341	188	152	1	329	183	145	1	10	4	6	2	1	1	----	--	--	----	--	--	--
Wayne	2,437	1,357	1,079	1	2,390	1,325	1,064	1	39	26	13	7	5	2	1	1	--	----	--	--	--
Wexford	89	41	47	1	88	41	47	--	----	---	--	----	--	--	----	--	--	1	--	--	1

NATIVITY OF DECEDENTS IN MICHIGAN.

The nativity of decedents in Michigan and the numbers and percentages of those who died for each of the years 1876–1880, are shown in Exhibit 6. The average per cent. of native-born decedents for the ten years ending with 1880 is 79.92, while the average for foreign-born decedents, for the same period of years, is 17.08 per cent. It is scarcely necessary to observe that the class called "native-born" contains most of the infant mortality, and a large proportion of the deaths of children, among whom the death-rate is much larger than among those in middle life, to whom the foreign-born population largely belongs. Again, this term "native-born," is losing much of its significance from year to year, as the foreign population becomes assimilated with the native.

EXHIBIT 6.—*Nativity of Persons Returned as having Died in Michigan during each of the Years 1876–1880, inclusive, showing the Number and the Per Cent. which the Native and the Foreign-born Decedents are of the Total of All Nativities, and the Average Number and Per Cent. for the Ten Years ending with 1880.*

NATIVITY OF DECEDENTS.	Deaths, 1876.		Deaths, 1877.		Deaths, 1878.		Deaths, 1879.		Deaths, 1880.		Av. for 10 yrs. ending with 1880.	
	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.
All Nativities	12,576	100.00	12,919	100.00	12,766	100.00	14,407	100.00	16,102	100.00	13,062	100.00
Native	10,147	80.69	10,305	79.77	10,183	79.77	11,495	79.79	12,572	78.08	10,439	79.92
Foreign	2,078	16.52	2,251	17.42	2,237	17.52	2,458	17.06	2,962	18.40	2,231	17.08
Unknown	351	2.79	363	2.81	346	2.71	454	3.15	568	3.52	392	3.00

TABLE XIII.—*Exhibiting, by Number and by Sex, for the State and Counties, the Nativity of all Persons Returned as having Died in Michigan during the Year ending December 31, 1880.*

STATE AND COUNTIES.	All Nativities, 1880.				Native.				Foreign.				Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.
State	16,102	8,645	7,410	47	12,572	6,615	5,912	45	2,962	1,708	1,254	....	568	322	244	2
Alcona	12	7	5	....	6	4	2	....	6	3	3	....	....	....	....	....
Allegan	310	153	157	....	263	129	134	....	43	21	22	....	4	3	1	....
Alpena	67	31	35	1	54	26	27	1	10	4	6	....	3	1	2	....
Antrim	40	22	18	....	30	14	16	....	9	7	2	....	1	1	....	....
Baraga	14	7	7	....	11	5	6	....	2	2	.....	....	1	....	1	....
Barry	218	100	118	....	192	84	108	....	24	15	9	....	2	1	1	....
Bay	393	222	170	1	310	174	135	1	69	40	29	....	14	8	6	....
Benzie	47	21	24	2	38	16	20	2	7	4	3	....	2	1	1	....
Berrien	334	202	132	....	274	167	107	....	53	33	20	....	7	2	5	....
Branch	252	133	118	1	226	117	109	....	20	11	9	....	6	5	....	1
Calhoun	361	185	169	7	303	157	139	7	28	14	14	....	30	14	16	....
Cass	163	86	76	1	149	79	69	1	11	6	5	....	3	1	2	....
Charlevoix	41	27	14	....	31	23	8	....	10	4	6	....	....	....	....	....
Cheboygan	50	27	23	....	35	20	15	....	15	7	8	....	....	....	....	....
Chippewa	29	13	16	....	23	10	13	....	4	3	1	....	2	....	2	....
Clare	69	28	40	1	59	25	33	1	5	2	3	....	5	1	4	....
Clinton	191	94	96	1	171	89	81	1	20	5	15	....	....	....	....	....
Crawford	4	3	1	....	3	2	1	....	1	1	.....	....	....	....	....	....
Delta	60	40	20	....	42	25	17	....	17	14	3	....	1	1	....	....
Eaton	275	152	122	1	257	140	116	1	10	6	4	....	8	6	2	....
Emmet	82	49	33	....	76	44	32	....	5	4	1	....	1	1	....	....
Genesee	326	169	157	....	290	150	140	....	35	18	17	....	1	1	....	....
Gladwin	7	2	4	1	5	2	3	....	1	.....	1	....	1	....	....	1
Gr. Traverse	42	20	22	....	36	15	21	....	6	5	1	....	....	....	....	....
Gratiot	154	80	74	....	127	62	65	....	20	13	7	....	7	5	2	....
Hillsdale	248	134	114	....	221	118	103	....	18	12	6	....	9	4	5	....
Houghton	298	165	133	....	227	120	107	....	62	41	21	....	9	4	5	....
Huron	160	78	77	5	116	51	60	5	42	25	17	....	2	2	....	....
Ingham	245	123	121	1	217	110	106	1	28	13	15	....	....	....	....	....
Ionia	287	134	151	2	242	115	125	2	38	15	23	....	7	4	3	....
	39	19	20	....	30	13	17	....	9	6	3	....	....	....	....	....
		93	73	....	130	72	58	....	34	20	14	....	2	1	1	....

"America."

TABLE XIII.—CONTINUED.—*Deaths by Counties, Nativity, and Sex.*

COUNTIES.	All Nativities, 1880.				Native.				Foreign.				Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.
Isle Royal,[a]	.....	.....	.....	....	.....	.....	.....	....	.....	.....	.....	....	....	....	....	...
Jackson.....	326	180	146	....	281	152	129	....	41	25	16	....	4	3	1	...
Kalamazoo..	382	204	178	....	298	156	142	....	47	26	21	....	37	22	15	...
Kalkaska....	17	10	7	....	15	10	5	....	2	.....	2	....	....	....	....	...
Kent.....	845	448	396	1	685	347	337	1	151	94	57	....	9	7	2	...
Keweenaw..	72	39	32	1	50	26	23	1	22	13	9	....	....	....	....	...
Lake.....	26	16	10	....	21	12	9	....	5	4	1	....	....	....	....	...
Lapeer.....	239	144	95	....	188	118	70	....	48	24	24	....	3	2	1	...
Leelanaw...	97	51	46	....	76	37	39	....	18	12	6	....	3	2	1	...
Lenawee....	370	190	179	1	332	169	162	1	36	21	15	....	2	....	2	...
Livingston..	169	74	94	1	143	59	83	1	24	15	9	....	2	....	2	...
Mackinac....	33	22	11	....	26	19	7	....	3	3	.....	....	4	....	4	...
Macomb.....	256	138	118	....	193	100	93	....	62	37	25	....	1	1	....	...
Manistee....	92	56	36	....	63	37	26	....	26	18	8	....	[b] 3	1	2	...
Manitou.....	11	5	6	....	5	1	4	....	6	4	2	....	....	....	....	...
Marquette..	334	190	144	....	230	121	109	....	97	65	32	....	7	4	3	...
Mason.....	97	60	37	....	84	50	34	....	12	9	3	....	1	1	....	...
Mecosta.....	156	88	68	....	126	65	61	....	22	16	6	....	8	7	1	...
Menominee.	127	100	27	....	46	32	14	....	19	16	3	....	62	52	10	...
Midland.....	94	56	38	....	77	46	31	....	12	6	6	....	5	4	1	...
Missaukee..	11	6	4	1	9	5	3	1	2	1	1	....	....	....	....	...
Monroe.....	360	194	166	....	287	153	134	....	66	37	29	....	7	4	3	...
Montcalm...	319	168	151	....	282	147	135	....	28	14	14	....	9	7	2	...
Muskegon...	288	147	141	....	212	108	104	....	73	38	35	....	3	1	2	...
Newaygo....	168	87	81	....	141	71	70	....	17	9	8	....	10	7	3	...
Oakland.....	330	180	147	3	249	129	114	3	61	39	22	....	23	12	11	...
Oceana.....	131	73	56	....	103	60	43	....	24	13	11	....	4	2	2	...
Ogemaw.....	10	9	7	....	10	4	6	....	3	3	.....	....	3	2	1	...
Ontonagon..	40	24	16	....	29	18	11	....	10	6	4	....	1	....	1	...
Osceola.....	168	82	83	....	133	63	70	....	36	18	18	....	1	....	1	...
Oscoda.....	2	1	1	....	2	1	1	....	.....	.....	.....	....	....	....	....	...
Otsego.....	3	2	3	....	3	2	3	....	.....	.....	.....	....	....	....	....	...
Ottawa.....	304	187	160	1	[illegible]	[illegible]	[illegible]	....	[illegible]	24	22	....	12	6	6	...

[a] No returns from the county clerk.
[b] 1 male "America."

TABLE XIII.—CONTINUED.—*Deaths by Counties, Nativity, and Sex.*

COUNTIES.	All Nativities, 1880.				Native.				Foreign.				Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.
Presque I.	24	15	9	....	18	14	4	....	6	1	5	....	....	....	....	....
Roscommon.	16	11	5	....	15	11	4	....	.....	.....	.....	....	1	....	1	....
Saginaw	783	406	377	....	586	291	295	....	172	100	72	....	25	15	10	....
Sanilac	206	124	82	....	137	82	55	....	68	42	26	....	1	....	1	....
Schoolcraft.	6	6	.....	....	2	2	.....	....	2	2	.....	....	2	2	....	....
Shiawassee	208	101	104	3	173	85	85	3	29	12	17	....	6	4	2	....
St. Clair	414	212	196	6	300	145	149	6	109	65	44	....	5	2	3	....
St. Joseph	244	110	134	....	209	89	120	....	34	20	14	....	1	1	....	....
Tuscola	206	105	101	....	165	90	75	....	37	15	22	....	4	....	4	....
Van Buren	211	116	95	....	194	106	88	....	9	5	4	....	8	5	3	....
Washtenaw.	341	188	152	1	247	139	107	1	87	48	44	....	7	6	1	....
Wayne	2,437	1,357	1,079	1	1,600	901	698	1	684	384	300	....	a153	72	81	....
Wexford	89	41	47	1	76	35	40	1	10	5	5	....	3	1	2	....

a 1 female "America."

CAUSES OF DEATH, 1880.

Of the 16,102 deaths that were returned to the State Department for the year 1880, the causes of deaths were reported in 14,599 cases and in 1,503 cases the cause of death was either returned as "unknown" or with an assigned cause so general or so obscure in its character as to render it unacceptable. This is a larger number compiled as "unknown" than for any year since 1874, and shows the great need of improvement in this department of registration. Very much depends upon the honesty, fidelity, and intelligence of physicians for accuracy in this branch of the work. The deaths reported with causes not specified should diminish from year to year in number instead of increasing as they have in the last few years.

The causes of deaths are divided into the same classes as used heretofore in this State, and may be studied in Table XIV., following. The deaths from all causes may be compared with those for previous years in Table I., page 105, where it is seen that there were more deaths in 1880 than in any other year.

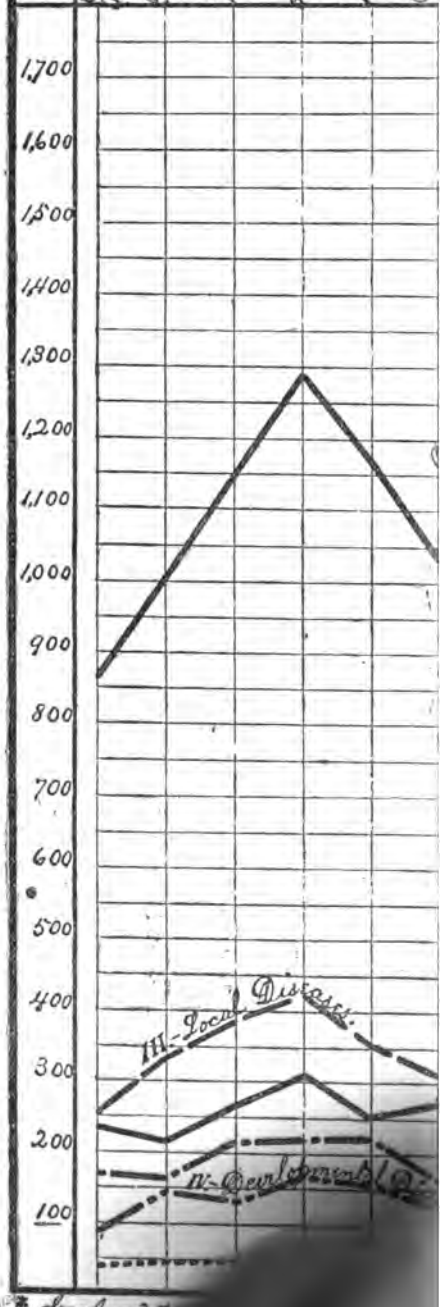
Diagrams Nos. 3, 4, and 5 will also facilitate the study of this subject. Table XVI. shows the particular diseases which are included in each of the five general classes, and also shows the counties of the State where the deaths from these diseases occurred. These diseases are again alphabetically arranged in Table XVII., showing the number of deaths from each disease for the years 1873–1880, the month of death, the sex, and age of decedents.

CAUSES OF DEATH, DR. FARR'S CLASSIFICATION.

The causes of death for each of the years 1876–1880, classified under the five grand divisions, may be seen in Table XIV. The mortality-rate from Zymotic Diseases in 1880 is greater than for any other year since 1872, and greater than the average for nine years by 2.65 per cent. This class contains the contagious affections, and a high death-rate among them indicates the presence of epidemics which are so much dreaded and so destructive to the lives of children. There is a marked decline in 1880 in the class of diseases called Constitutional, it being 1.26 per cent. less than the average for nine years, .45 per cent. less than in 1879, and 2.13 per cent. less than in 1878. The deaths from Local Diseases do not vary much in relative numbers from the mortality ascribed to them in former years, the average per cent. for nine years being 28.65, while the per cent. for 1880 is 27.90. The proportion of deaths from Class IV.—Developmental Diseases—and Class V.—Violent Deaths—is greater in 1880 than in 1879, and greater than the average for nine years. As before remarked, the number of deaths from Unknown and Unclassified is greater than for any year since 1874.

Diag

Deaths Returned as hav
1880, by months, from All Causes a



* Scale=27

TABLE XIV.—*Number of Deaths Returned as having occurred in Michigan from All Causes, and from each Class of Causes, and the Per Cent. of Deaths from each Class of Causes to Deaths from All Causes, for each of the Years 1876 to 1880, inclusive; also the Average Number and Per Cent. for the Nine Years 1872–1880.*

CAUSES OF DEATH, CLASSES.	1876.		1877.		1878.		1879.		1880.		AVERAGE FOR NINE YEARS, ENDING WITH 1880.	
	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.
All Causes	12,576	100.00	12,919	100.00	12,766	100.00	14,407	100.00	16,102	100.00	13,432	100.00
I.—Zymotic	3,094	24.60	3,319	25.69	3,121	24.45	4,177	28.99	4,825	29.97	3,669	27.32
II.—Constitutional	2,348	18.67	2,454	19.00	2,290	17.94	2,343	16.26	2,546	15.81	2,293	17.07
III.—Local Diseases	3,647	29.00	3,506	27.14	3,481	27.27	3,918	27.20	4,492	27.90	3,848	28.65
IV.—Developmental	1,458	11.59	1,527	11.82	1,825	14.29	1,802	12.51	1,861	11.56	1,479	11.01
V.—Violent Deaths	747	5.94	654	5.06	691	5.41	697	4.84	875	5.43	688	5.12
Unknown and Unclassified	1,282	10.19	1,459	11.29	1,358	10.64	1,470	10.20	1,503	9.33	1,455	10.83

Exhibit 7 shows the number of deaths in each month of the year 1880 from each class of causes. It also shows what season of the year the increase or decrease of deaths in each class took place. Diagram No. 4, on page 162, illustrates this subject much more clearly, and presents to the eye the class of causes which caused the rise and fall of the line representing deaths from all causes.

EXHIBIT 7.—*By Months, the Number of Deaths Returned as having Occurred in Michigan from All Causes and from each Class of Causes during the year 1880.*

CAUSES OF DEATH,—CLASSES.	YEAR, 1880.	MONTHS OF DEATHS,—1880.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
All Causes	16,102	860	1002	1149	1289	1,166	1,036	1,527	1,780	1,676	1,471	1,436	1,617	43
I.—Zymotic	4,825	234	211	263	306	251	271	538	701	623	520	466	431	10
II.—Constitutional	2,546	165	159	211	214	221	163	234	237	251	202	246	236	7
III.—Local Diseases	4,492	252	334	387	424	353	310	361	421	402	377	381	484	6
IV.—Developmental	1,861	89	146	138	165	155	123	143	170	159	158	185	225	5
V.—Violent Deaths	875	37	48	49	60	84	74	114	88	74	78	85	82	2
Unknown and Unclassified	1,503	83	104	101	120	102	95	137	163	157	136	123	159	13

DEATHS IN 1880, GROUPED BY PART OF BODY DISEASED.

The number and proportion of deaths from each of seven groups of causes are shown in Exhibit 8. In 1880, more than one-fifth (22.03 per cent.) of the deaths from all causes are reported from "Lung Diseases," and the seven groups caused over 60 per cent. of all the deaths in the State.

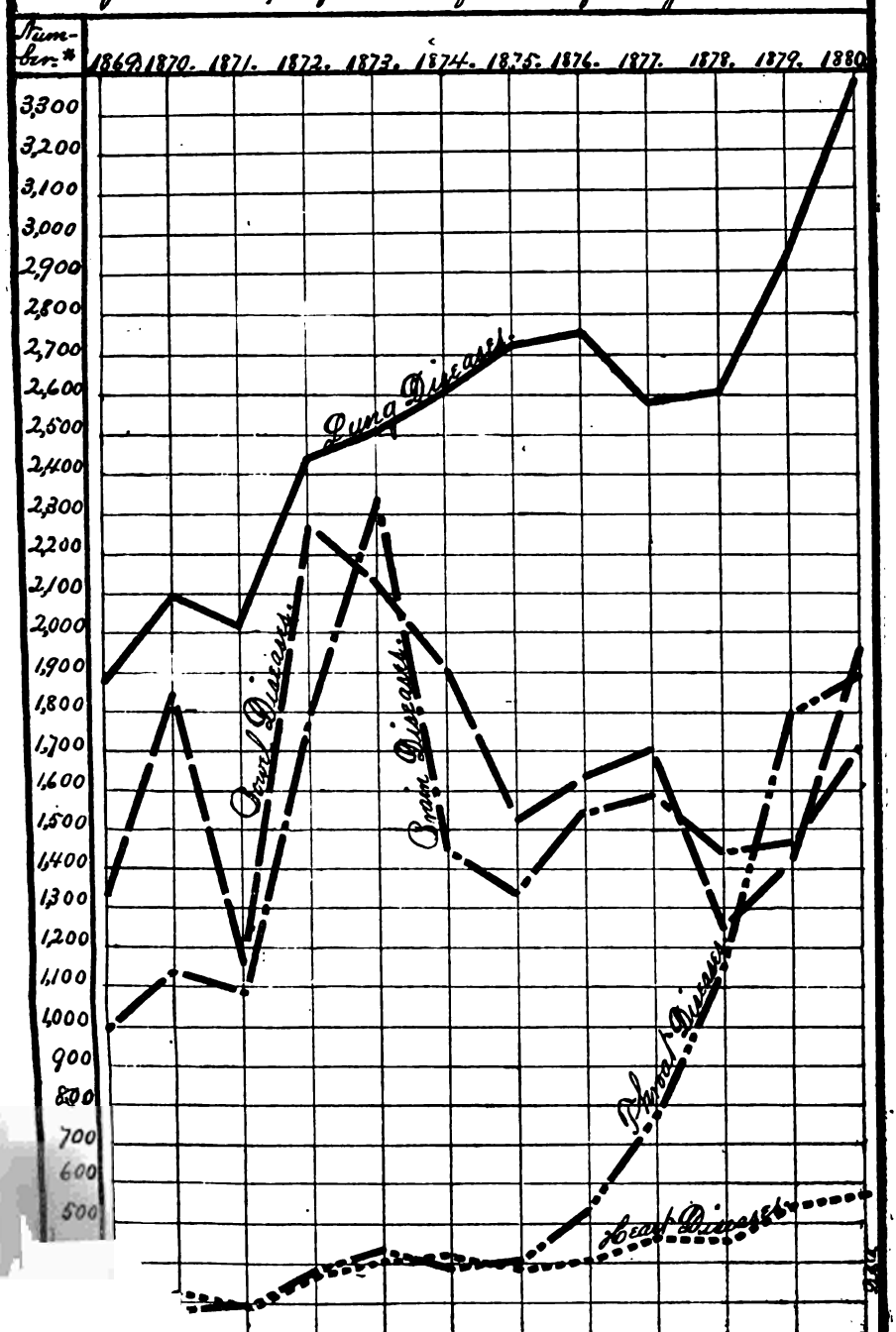
Diagram No. 5, page 165, shows how the deaths from these seven groups of diseases vary from year to year. Thus, the deaths returned from "Lung Diseases" has been constantly increasing for each year since 1877. Also the rise of "Bowel Diseases" from fourth place in 1879 to second place in 1880.

EXHIBIT 8.—*Order of Succession of Five Groups of Causes of Deaths Returned as having occurred in Michigan for each of the Years 1877 to 1880, inclusive,—Number of Deaths from each Group of Causes, and Per Cent. of Deaths from each Group of Causes to the Deaths from All Causes.*

1875.			1876.			1877.			1878.			1879.			1880.		
Diseases of	Number.	Per Ct. to All Causes.	Diseases of	Number.	Per Ct. to All Causes.	Diseases of	Number.	Per Ct. to All Causes.	Diseases of	Number.	Per Ct. to All Causes.	Diseases of	Number.	Per Ct. to All Causes.	Diseases of	Number.	Per Ct. to All Causes.
[illegible]	[illegible]	100.00	All Caus.	12,576	100.00	All Caus.	12,919	100.00	All Caus.	12,766	100.00	All Caus.	14,407	100.00	All Caus.	16,102	100.00
[illegible]	[illegible]	22.69	Lungs...	2,753	21.89	Lungs...	2,584	20.00	Lungs...	2,609	20.44	Lungs...	2,945	20.44	Lungs...	3,387	21.03
[illegible]	[illegible]	12.69	Bowels..	1,633	12.98	Bowels..	1,702	13.17	Brain....	1,440	11.28	Throat..	1,803	12.51	Bowels..	1,962	12.18
[illegible]	[illegible]	11.16	Brain....	1,549	12.31	Brain....	1,592	12.32	Bowels..	1,247	9.77	Brain...	1,466	10.18	Throat..	1,899	11.79
[illegible]	[illegible]	3.39	Throat..	541	4.30	Throat..	781	6.05	Throat..	1,160	9.09	Bowels..	1,424	9.88	Brain...	1,709	10.61
[illegible]	[illegible]	3.26	Heart....	405	3.22	Heart...	460	3.56	Heart...	452	3.54	Heart...	549	3.81	Heart...	570	3.54
						Liver....	126	.98	Liver....	143	1.12	Liver....	121	.84	Kidneys	151	.96
												Kidneys.	113	.78	Liver....	119	.74
[illegible] groups	6,376	53.19	5 Groups	6,881	54.72	6 Groups	7,245	56.08	6 Groups	7,051	55.23	7 Groups	8,421	58.45	7 Groups	9,800	60.90

Diagram No. 5.

Death Returned as having Occurred in Michigan from each of Six Groups of Causes, for each of the Years 1869-1880.



* To the inch.

Designed by Henry B. Baker.

—1880,

EXHIBIT J.—*Eleven Geographical Divisions of the State, formed for the purpose of facilitating the study of Causes of Death, with a list of Counties included in each Division.*

Upper Peninsular.	North-western.	Northern.	North-eastern.	Western.	Northern Central.	Bay and Eastern.	Central.	South-western.	Southern Central.	South-eastern.
Baraga.	Benzie.	Antrim.	Alcona.	Kent.	Clare.	Bay.	Barry.	Allegan.	Branch.	Macomb.
Chippewa. [a]	Gr. Traverse. [g]	Charlevoix.	Alpena. [l]	Lake. [n]	Gladwin.	Huron. [p]	Clinton.	Berrien.	Calhoun.	Monroe.
Delta. [b]	Leelanaw. [h]	Cheboygan. [j]	Iosco. [m]	Mason.	Isabella. [o]	Lapeer.	Eaton.	Cass.	Hillsdale.	Oakland.
Houghton.	Manistee.	Crawford.	Ogemaw.	Muskegon.	Mecosta.	Saginaw. [q]	Genesee.	Van Buren.	Jackson.	Wayne.
Isle Royal.	Manitou.	Emmet.	Oscoda.	Newaygo.	Midland.	Sanilac.	Gratiot.		Kalamazoo.	
Keweenaw.	Missaukee.	Kalkaska. [k]	Presque I.	Oceana.	Roscommon.	St. Clair.	Ingham.		Lenawee.	
Mackinac. [c]	Wexford. [i]	Otsego.		Osceola.		Tuscola.	Ionia.		St. Joseph.	
Marquette. [d]				Ottawa.			Livingston.		Washtenaw.	
Menominee. [e]							Montcalm. [r]			
Ontonagon.							Shiawassee.			
Schoolcraft. [f]										

No returns of deaths from the following townships:
[a] Detour, Sugar Island, Superior. [b] Baldwin, Sack Bay. [c] Brevort, Hendricks, Lakefield. [d] Richmond. [e] Cedarville, Ingalston, Nadeau, Stephenson. [f] Munising, Onota. [g] East Bay. [h] Elmwood. [i] Liberty, South Branch, Concord. [j] Ellis. [k] Springfield. [l] Briley. [m] Plainfield, Wilber. [n] Elk. [o] Gilmore, Sherman. [p] Hume, Verona. [q] Bridgeport. [r] Home.

Table XV. shows, for each of the eleven geographical divisions of the State, the population of 1880 represented by deaths in 1880, the number and per cent. of deaths as returned, and the per cent. of deaths from each class of causes to deaths from all causes. The largest death-rates in the State appear for the Upper-Peninsular, Northern-Central, and South-eastern divisions, while the smallest death-rates are for the North-eastern, Central, and South-western divisions.

In the State, the largest proportion of deaths (29.97 per cent.) was caused by zymotic diseases, and the smallest (5.43 per cent.) from violent deaths. In the Upper-Peninsular, North-western, North-eastern, Western, Northern-Central, Bay and Eastern, and Central divisions the largest proportion of deaths was caused by zymotic diseases; while in the South-western, Southern-Central, and South-eastern divisions the largest proportion of deaths was from local diseases. In the Northern division more than one-quarter of all the deaths returned were from unknown and unclassified causes. There is need of great improvement in the registration in that part of the State. More than one-fifth (21.01 per cent.) of all the deaths, returned as having occurred in this State, are credited to the South-eastern division.

The particular diseases included in each class and the counties in which the deaths occurred will be found in Table XVI., following:

TABLE XV.—*Exhibiting for the State and for each of the Eleven Geographical Divisions of the State, the Number of Deaths, the Per Cent. of Deaths in 1880 to Population in 1880, and the Per Cent. of Deaths for each Division to Total Deaths for the State during the Year 1880; also, the Per Cent. of Deaths from each Class of Causes to Deaths from All Causes.*

STATE AND GEOGRAPHICAL DIVISIONS.	Population June 1. 1880, Represented by Deaths in 1880.	Deaths Reported, 1880.		Per Ct. of all Deaths in 1880 to Population in 1880.	Per Cent. of Deaths from each Class of Causes to Deaths from All Causes, by Geographical Divisions.					
		Number.	Per Ct. of Total.		Class I. Zymotic Diseases.	Class II. Constitutional Diseases.	Cl'ss III. Local Diseases.	Cl'ss IV. Developmental Diseases.	Class V. Violent Deaths.	Unk. and Unclassified.
State	1,624,040	16,102	100.00	.91	29.97	15.81	27.90	11.56	5.43	9.33
Upper-Peninsular.	80,128	1,013	6.29	1.26	34.75	9.67	22.21	10.17	11.06	12.14
North-western	38,970	389	2.42	1.00	30.08	14.40	20.31	13.37	8.23	13.62
Northern	29,181	239	1.48	.82	18.41	15.48	23.01	13.39	4.18	25.52
North-eastern	24,202	160	.99	.66	25.63	10.63	23.75	11.25	8.75	20.00
Western	183,271	2,075	12.89	1.13	39.13	14.36	22.51	9.69	5.06	9.25
Northern-Central	39,155	508	3.15	1.30	51.18	10.24	17.32	6.50	5.31	9.45
Bay and Eastern	242,357	2,401	14.91	.99	30.86	14.20	25.66	11.70	5.75	11.83
Central	293,822	2,392	14.86	.81	30.80	16.35	29.31	11.41	4.60	7.44
South-western	127,416	1,013	6.32	.80	25.44	16.60	35.36	11.20	4.42	6.97
Southern-Central	292,306	2,524	15.68	.86	22.23	18.86	35.66	12.40	4.71	6.14
South-eastern	273,232	3,383	21.01	1.24	26 57	18.06	28.47	13.04	4.82	9.05

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1880.	COUNTIES,—1880.																									
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
All Causes	248	298	160	245	287	39	166	....	326	382	17	845	72	26	239	97	370	169	33	256	92	11	334	97	156	127
Specified Causes	237	260	129	226	272	36	152	....	310	365	16	805	71	20	221	74	335	163	23	241	83	9	313	90	147	105
Causes not Specified	11	38	31	19	15	3	14	....	16	17	1	40	1	6	18	23	35	6	10	15	9	2	21	7	9	22
CLASSES.																										
I.—Zymotic Diseases	51	118	44	65	65	17	74	....	68	80	4	343	25	7	50	25	82	53	4	47	20	2	120	44	87	40
II.—Constitutional Diseases	60	26	15	42	57	3	23	....	61	65	3	137	1	1	37	15	64	35	6	59	10	1	38	12	15	8
III.—Local Diseases	80	69	36	77	102	6	36	....	137	145	5	204	26	5	86	15	120	51	2	85	26	....	71	21	20	28
IV.—Developmental Diseases	34	25	24	28	35	5	14	....	32	56	2	87	15	5	29	9	51	21	3	39	18	3	44	7	12	3
V.—Violent Deaths	12	22	10	14	12	5	4	....	12	19	1	34	4	2	15	10	16	3	8	11	8	3	40	6	10	26
Unclassified	....	....	....	....	1	....	1	....	....	....	1	....	....	....	4	....	2	....	....	....	1	....	....	....	3	....
ORDERS.																										
I.—1. Miasmatic Diseases	51	118	44	65	64	17	74	....	68	80	4	342	25	7	50	25	81	53	4	47	18	2	119	44	87	40
2. Enthetic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Dietic Diseases	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	2	....	1	....	....	....
4. Parasitic Diseases	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
II.—1. Diathetic Diseases	18	2	2	10	23	1	5	....	13	18	2	30	....	....	11	3	25	10	....	16	2	....	5	3	5	1
2. Tubercular Diseases	42	24	13	32	34	2	18	....	48	47	1	107	1	1	26	12	39	25	6	43	8	1	33	9	10	7

III.—1. Diseases of Nervous System	37	29	7	34	38	3	19	....	49	49	3	65	9	1	22	5	39	12	....	30	8	....	37	6	11	10
2. Diseases of Organs of Circulation	14	6	5	8	13	1	4	....	19	13	....	21	2	1	9	....	26	15	....	14	4	....	3	3	....	2
3. Diseases of Respiratory Organs	12	23	17	15	27	....	10	....	38	45	2	59	10	....	32	6	29	6	2	23	7	....	23	6	3	8
4. Diseases of Digestive Organs	9	6	6	12	8	2	3	....	19	21	....	34	3	3	12	3	18	10	....	8	5	....	4	4	3	8
5. Diseases of Urinary Organs	6	2	1	6	9	....	....	....	7	13	....	16	2	....	7	1	6	8	....	6	1	....	1	1	1	....
6. Diseases of Generative Organs	....	....	....	....	3	....	....	....	1	1	....	3	....	....	....	....	....	....	....	1	....	....	....	....	2	....
7. Diseases of Organs of Locomotion	1	1	....	....	....	....	....	....	2	1	....	1	....	....	1	....	1	....	....	2	....	....	....	1	....	....
8. Dis. of Integumentary System	1	2	....	2	4	....	....	....	2	2	....	5	....	....	3	....	1	....	....	1	1	....	3	....	....	....
IV.—1. Developmental Dis. of Children	6	16	19	11	19	3	7	....	11	14	....	35	14	2	13	5	16	8	1	19	13	1	24	1	6	....
2. Developmental Dis. of Women	6	....	1	4	3	1	2	....	2	2	1	12	....	....	1	1	6	1	....	3	2	....	11	1	2	2
3. Developmental Dis. of Old People	22	1	4	9	9	....	5	....	17	36	1	32	1	3	11	3	23	11	2	15	1	2	1	3	4	....
4. Diseases of Nutrition	....	8	....	4	4	1	....	....	2	4	....	8	....	....	2	....	6	1	....	2	2	....	8	2	....	1
V.—1. Accident or Negligence	5	4	8	6	6	4	1	....	6	7	1	22	2	1	8	9	6	3	7	7	4	2	3	3	6	8
2. Battle	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Homicide	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1
4. Suicide	2	....	....	2	3	....	1	....	2	4	....	5	....	....	2	1	3	....	....	....	....	....	....	1	1	....
5. Execution	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Violent Deaths	4	18	2	6	2	1	2	....	4	8	....	7	2	1	5	....	7	....	1	4	4	1	37	2	3	17
CLASS I.—ZYMOTIC	51	118	44	65	65	17	74	....	68	80	4	343	25	7	50	25	82	53	4	47	20	2	120	44	87	40
I.—ORDER 1. Miasmatic	51	118	44	65	64	17	74	....	68	80	4	342	25	7	50	25	81	53	4	47	18	2	119	44	87	40
1. Small-pox	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....
2. Measles	....	4	7	3	....	1	....	....	....	....	....	4	....	....	....	4	1	....	....	4	2	....	26	....	3	....
3. Scarlatina	1	27	10	5	4	1	....	....	7	2	1	22	17	....	4	....	2	....	....	2	....	....	17	1	....	....
4. Diphtheria	14	....	7	14	11	1	56	....	5	13	1	194	....	3	6	13	17	19	....	8	2	....	7	31	.60	1
5. Quinsy	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....
6. Croup	5	4	1	4	3	3	1	....	11	4	....	15	....	....	2	....	6	3	....	....	3	....	16	....	1	1

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1880.	COUNTIES.—1880.																									
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
7. Whooping-cough	2	8	3	4	2	4	3	....	3	6	....	14	2	....	3	3	1	3	2	4	2	....	13	3	....	2
8. Typhoid Fever	8	8	6	13	13	1	5	....	7	12	....	16	3	3	9	1	15	4	....	5	....	....	21	1	7	27
8. Typhus Fever	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....
8. Typho-malarial Fever	....	....	....	....	....	....	....	....	1	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
9. Erysipelas	3	....	....	3	4	1	1	....	6	4	....	2	....	....	....	....	2	1	....	3	....	....	2	1	2	....
10. Puerperal Fever	....	3	3	1	....	....	....	....	1	....	....	1	1	....	....	....	3	3	....	....	....	....	....	....	....	....
11. Carbuncle	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
12. Influenza	2	....	....	....	1	....	....	....	1	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....
13. Dysentery	2	7	1	....	2	....	2	....	4	5	....	13	1	....	4	....	3	1	1	2	....	....	....	1	2	1
14. Diarrhea	....	2	5	3	1	2	....	....	1	4	....	14	....	....	6	2	4	1	....	12	....	2	9	1	1	6
15. Cholera Infantum	10	46	....	11	15	....	5	....	13	10	2	14	1	1	5	....	18	15	....	1	8	....	1	2	5	1
16. Cholera Morbus	....	5	....	....	....	....	....	....	2	....	....	....	....	....	2	....	....	1	....	1	....	....	1	....	....	....
16. Cholera	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
17. Ague	1	....	....	1	3	3	....	....	2	3	....	7	....	....	4	1	3	1	....	2	....	....	....	....	4	....
18. Remittent Fever	3	1	....	....	2	....	1	....	1	7	....	18	....	....	2	1	5	1	1	2	....	....	3	2	1	1
19. Rheumatism	....	1	1	2	3	....	....	....	3	10	....	3	....	....	3	....	....	....	....	1	....	....	1	....	....	....
I.—ORDER 2. Enthetic	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
1. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Stricture of Urethra	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Stricture	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

3. Hydrophobia	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4. Glanders	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
I.—ORDER 3. Dietic	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	1	----	----	----	2	----	1	----	----	----
1. Privation	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Purpura	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Rachitis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Scurvy	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Delirium Tremens (Alcoholism)	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	1	----	----	----	----
4. Intemperance	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	1	----	----	----	----	----	----
5. Opium Eating	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----
I.—ORDER 4. Parasitic	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Thrush	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Worms	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Disease of Scalp	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
CLASS II.—CONSTITUTIONAL	60	26	15	42	57	3	23	----	61	65	3	137	1	1	37	15	64	35	6	59	10	1	38	12	15	8
II.—ORDER 1. Diathetic	18	2	2	10	23	1	5	----	13	18	2	30	----	----	11	3	25	10	----	16	2	----	5	3	5	1
1. Gout	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----
2. Anæmia	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Dropsy	7	1	2	4	7	1	3	----	4	4	1	15	----	----	8	2	5	2	----	9	----	----	4	2	2	----
3. Cancer	9	1	----	6	13	----	2	----	7	12	1	14	----	----	3	1	20	7	----	4	2	----	1	1	2	1
4. Noma (Canker)	1	----	----	----	2	----	----	----	1	1	----	----	----	----	----	----	----	----	----	3	----	----	----	----	----	----
5. Mortification	1	----	----	----	1	----	----	----	1	----	----	1	----	----	----	----	----	1	----	----	----	----	----	----	----	----
II.—ORDER 2. Tubercular	42	24	13	32	34	2	18	----	48	47	1	107	1	1	26	12	39	25	6	43	8	1	33	9	10	7
1. Scrofula	1	----	----	1	1	----	----	----	1	1	----	----	----	----	----	----	1	----	----	2	----	----	----	----	----	1
2. Consumption of Bowels	----	----	----	----	1	----	----	----	1	1	----	4	----	----	----	----	----	1	----	----	----	----	----	----	2	----
3. Phthisis (Consumption of Lungs)	41	24	13	31	32	2	18	----	46	45	1	103	1	1	26	12	37	24	6	41	8	1	33	9	8	5

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1880.	COUNTIES.—1880.																									
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
4. Hydrocephalus	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	1
5. Marasmus	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
CLASS III.—LOCAL DISEASES	80	69	36	77	102	6	36	----	137	145	5	204	26	5	86	15	120	51	2	85	26	----	71	21	20	28
III.—ORDER 1. Nervous System	37	29	7	34	38	3	19	----	49	49	3	65	9	1	22	5	39	12	----	30	8	----	37	6	11	10
1. Cephalitis	5	10	1	3	4	----	6	----	4	9	----	17	1	----	4	2	3	2	----	9	3	----	8	----	2	----
2. Apoplexy	5	2	----	4	----	----	----	----	2	5	----	4	3	----	2	----	3	2	----	3	----	----	3	----	1	----
3. Paralysis	9	----	2	12	12	----	----	----	13	13	1	13	1	----	3	2	16	5	----	9	1	----	4	1	2	----
4. Insanity	----	----	----	----	----	----	1	----	1	1	----	1	----	----	----	----	----	----	----	----	----	----	1	----	----	----
5. Chorea	----	2	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6. Epilepsy	----	----	----	1	----	----	----	----	----	2	----	2	----	----	1	----	----	----	----	2	1	----	----	----	----	----
7. Tetanus	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----
8. Convulsions	4	13	----	1	1	1	1	----	6	3	----	9	4	----	4	1	5	1	----	2	3	----	13	1	3	2
9. Brain Disease	11	1	3	9	12	2	9	----	14	10	1	13	----	1	7	----	6	2	----	3	----	----	----	4	1	----
9. Dropsy of Brain	1	----	1	----	----	----	1	----	1	1	----	1	----	----	1	----	2	----	----	2	----	----	----	----	----	----
10. Spinal Fever	2	----	----	1	8	----	1	----	1	----	1	4	----	----	----	----	3	----	----	----	----	----	----	----	----	1
11. Spotted Fever	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
12. Meningitis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	7	----	----	6
13. Meningitis, Cerebro-spinal	----	1	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
14. Meningitis, Spinal	----	----	----	2	1	----	----	----	6	4	----	1	----	----	----	----	1	----	----	----	----	----	----	----	2	1
15. Neuralgia	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

16. Spine Disease	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
17. Spine, Inflam. of	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
18. Frightened	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 2. Organs of Circulation	14	6	5	8	13	1	4	----	19	13	----	21	2	1	9	----	26	15	----	14	4	----	3	3	----	2
1. Pericarditis	----	----	----	----	2	1	----	----	2	4	----	2	----	----	----	----	1	5	----	2	----	----	----	----	----	----
2. Aneurism	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Heart Disease	14	6	5	7	11	----	4	----	17	9	----	19	2	1	9	----	25	10	----	12	4	----	3	3	----	2
4. Emboli	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 3. Respiratory Organs	12	23	17	15	27	----	10	----	38	45	2	59	10	----	32	6	29	6	2	23	7	----	23	6	3	8
1. Epistaxis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Laryngitis	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Bronchitis	----	6	----	----	2	----	1	----	1	----	----	1	3	----	----	----	1	----	----	----	----	----	3	----	----	----
4. Pleurisy	• 1	----	2	----	1	----	----	----	1	6	----	4	----	----	----	----	1	----	1	----	----	----	----	----	----	----
5. Pneumonia	9	14	11	13	18	----	8	----	27	31	1	47	4	----	30	3	23	6	1	19	5	----	17	5	3	7
6. Asthma	----	1	2	2	1	----	----	----	----	1	----	----	----	----	1	----	----	----	----	----	1	----	2	----	----	----
7. Lung Disease	2	1	2	----	5	----	1	----	9	7	1	7	3	----	1	3	4	----	----	4	1	----	1	1	----	1
8. Catarrh	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 4. Digestive Organs	9	6	6	12	8	2	3	----	19	21	----	34	3	3	12	3	18	10	----	8	5	----	4	4	3	8
1. Gastritis	----	----	----	2	----	----	----	----	1	2	----	2	----	----	1	1	1	1	----	----	1	----	----	----	----	----
2. Enteritis	1	3	3	2	5	----	2	----	7	6	----	11	2	1	6	1	7	4	----	----	2	----	1	4	3	7
3. Peritonitis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	2	----	----	----	----	----	----	----	----	1
4. Ascites	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5. Ulceration of Intestines	----	1	----	----	1	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6. Hernia	2	----	----	----	----	----	----	----	1	----	----	1	----	----	1	----	----	----	----	----	----	----	----	----	----	----
7. Obstruction of Bowels	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
8. Intussusception	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1880.	COUNTIES.—1880.																									
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
9. Stricture of Intestines	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
10. Fistula	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
11. Stomach Diseases	2	----	3	5	1	1	----	----	8	3	----	7	1	1	3	----	2	2	----	4	2	----	----	----	----	----
12. Pancreas Disease	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13. Hepatitis	----	----	----	----	----	----	----	----	----	1	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
14. Biliary Calculus	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
14. Jaundice	----	----	----	----	----	----	----	----	----	1	----	2	----	----	----	1	----	1	----	----	----	----	----	----	----	----
15. Liver Diseases	*4	2	----	2	1	1	----	----	1	3	----	6	----	1	----	----	6	1	----	2	----	----	----	----	----	----
16. Spleen Diseases	----	----	----	1	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
17. Bowel Diseases, etc.	----	----	----	----	----	----	1	----	----	4	----	2	----	----	1	----	----	----	----	2	----	----	3	----	----	----
18. Mouth Disease	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 5. Urinary Organs	6	2	1	6	9	----	----	----	7	13	----	16	2	----	7	1	6	8	----	6	1	----	1	1	1	----
1. Nephritis	----	----	----	----	----	----	----	----	----	1	----	1	----	----	1	----	3	----	----	----	----	----	----	----	----	----
2. Ischuria	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Bright's Disease of Kidneys	2	1	----	5	3	----	----	----	1	6	----	6	2	----	2	----	1	3	----	1	----	----	----	----	----	----
4. Diabetes	2	----	1	1	----	----	----	----	2	3	----	1	----	----	3	----	1	1	----	----	----	----	----	----	1	----
5. Calculus (Gravel, etc.)	1	----	----	----	1	----	----	----	----	1	----	1	----	----	----	----	----	2	----	1	----	----	1	----	----	----
6. Cystitis	----	1	----	----	----	----	----	----	1	----	----	1	----	----	----	----	----	----	----	2	----	----	----	----	----	----
7. Kidney Disease	1	----	----	----	5	----	----	----	3	2	----	6	----	----	1	1	1	2	----	2	1	----	----	1	----	----
III.—ORDER 6. Generative Organs	----	----	----	----	3	----	----	----	1	1	----	3	----	----	----	----	----	----	----	1	----	----	----	----	2	----

1. Ovarian Disease	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Ovarian Tumor	----	----	----	----	1	----	----	----	1	1	----	2	----	----	----	----	----	----	----	----	----	----	----	----	1	----
2. Diseases of Uterus	----	----	----	----	2	----	----	----	----	----	----	1	----	----	----	----	----	----	----	1	----	----	----	----	1	----
3. Hydrocele	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—Order 7. Organs of Locomotion	1	1	----	----	----	----	----	----	2	1	----	1	----	----	1	----	1	----	----	2	----	----	----	1	----	----
1. Arthritis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Joint Diseases	1	1	----	----	----	----	----	----	2	1	----	1	----	----	1	----	1	----	----	2	----	----	----	1	----	----
III.—Order 8. Integumentary System	1	2	----	2	4	----	----	----	2	2	----	5	----	----	3	----	1	----	----	1	1	----	3	----	----	----
1. Phlegmon	----	----	----	----	1	----	----	----	----	1	----	2	----	----	1	----	----	----	----	----	1	----	2	----	----	----
2. Ulcer	----	----	----	----	1	----	----	----	1	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Skin Diseases	1	2	----	2	2	----	----	----	1	1	----	2	----	----	2	----	1	----	----	1	----	----	1	----	----	----
Class IV.—Developmental Diseases.	34	25	24	28	35	5	14	----	32	56	2	87	15	5	29	9	51	21	3	39	18	3	44	7	12	3
IV.—Order 1. Dev. Diseases of Children	6	16	19	11	19	3	7	----	11	14	----	35	14	2	15	5	16	8	1	19	13	1	24	1	6	----
1. Still-born	5	15	16	9	18	3	5	----	10	13	----	29	7	2	15	5	13	8	----	15	12	----	21	1	6	----
2. Infantile	1	----	----	----	1	----	----	----	----	1	----	1	1	----	----	----	----	----	----	----	1	----	----	----	----	----
2. Premature Birth	----	1	2	1	----	----	2	----	----	----	----	2	3	----	----	----	2	----	----	----	----	----	3	----	----	----
3. Cyanosis	----	----	----	----	----	----	----	----	----	----	----	----	2	----	----	----	1	----	----	----	----	----	----	----	----	----
4. Spina Bifida	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5. Other Malformations	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----
6. Teething	----	----	1	1	----	----	----	----	1	----	----	2	----	----	----	----	----	----	1	4	----	1	----	----	----	----
7. Injury at Birth	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
IV.—Order 2. Dev. Diseases of Women	6	----	1	4	5	1	2	----	2	2	1	12	----	----	1	1	6	1	----	3	2	----	11	1	2	2
1. Dysmenorrhea	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Turn of Life	1	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Childbirth	3	----	1	4	3	1	2	----	2	2	1	11	----	----	1	1	6	1	----	3	2	----	11	1	2	2
2. Abortion	2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Uterine Hemorrhage	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1880.	COUNTIES.—1880.																									
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
IV.—ORDER 3. Dev. Dis. of Old People	22	1	4	9	9	....	5	....	17	36	1	32	1	3	11	3	23	11	2	15	1	2	1	3	4	....
1. Old Age	22	1	4	9	9	....	5	....	17	36	1	32	1	3	11	3	23	11	2	15	1	2	1	3	4	....
IV.—ORDER 4. Diseases of Nutrition	....	8	....	4	4	1	....	....	2	4	....	8	....	....	2	....	6	1	....	2	2	....	8	2	....	1
1. Atrophy and Debility	....	8	....	4	4	1	....	....	2	4	....	8	....	....	2	....	6	1	....	2	2	....	8	2	....	1
CLASS V.—VIOLENT DEATHS	12	22	10	14	12	5	4	....	12	19	1	34	4	2	15	10	16	3	8	11	8	3	40	6	10	26
V.—ORDER 1. Accident or Negligence	5	4	8	6	6	4	1	....	6	7	1	22	2	1	8	9	6	3	7	7	4	2	3	3	6	8
1. Fractures and Contusions	1	....	....	....	1	....	....	....	4	....	....	2	....	....	1	....	1	....	....	....	....	....	....	1	2	1
2. Wounds	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	2	....	....	....	....	....	....	....	....	....
3. Burns and Scalds	1	1	....	3	....	....	....	....	1	2	....	4	....	....	....	1	....	1	....	2	1	....	....	....	....	2
4. Poison	1	....	1	1	1	....	....	....	....	1	....	3	....	....	1	....	1	2	....	1	....	....	....	1	1	....
5. Drowning	1	3	5	2	1	3	1	....	1	....	....	10	2	....	3	4	1	....	7	1	3	....	....	1	1	4
6. Suffocation	....	....	....	....	2	....	....	....	....	2	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....
7. Otherwise	1	....	2	....	1	1	....	....	....	2	1	1	....	1	2	3	1	....	....	3	....	2	3	....	2	1
V.—ORDER 2. In Battle	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
V.—ORDER 3. Homicide	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1
1. Murder	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1
V.—ORDER 4. Suicide	2	....	....	2	3	....	1	....	2	4	....	5	....	....	2	1	3	....	....	....	....	....	....	1	1	....
1. Wounds	....	....	....	....	1	....	....	....	1	1	....	2	....	....	1	....	....	....	....	....	....	....	....	....	....	....

2. Poison	----	----	----	1	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Drowning	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----
4. Hanging	----	----	----	----	2	----	----	----	----	----	----	1	----	----	1	----	1	----	----	----	----	----	----	----	----	----
5. Otherwise and not Specified	2	----	----	1	----	----	1	----	1	3	----	1	----	----	----	1	3	----	----	----	----	----	----	----	1	----
V.—ORDER 5. Execution	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Hanging	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
V.—ORDER 6. Violent Deaths not Included above	4	18	2	6	2	1	2	----	4	8	----	7	2	1	5	----	7	----	1	4	4	1	37	2	3	17
UNCLASSIFIED	----	----	----	----	1	----	1	----	----	----	1	----	----	----	4	----	2	----	----	----	1	----	----	----	3	----
1. Hemorrhage	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	1	----
2. Inflammation	----	----	----	----	1	----	1	----	----	----	1	----	----	----	4	----	1	----	----	----	1	----	----	----	2	----
3. Self Abuse	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4. Tumor	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Unspecified	11	38	31	19	15	3	14	----	16	17	1	40	1	6	18	23	35	6	10	15	9	2	21	7	9	22

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1880.	COUNTIES.—1880.																									
	Midland.	Missaukee.	Monroe.	Montcalm.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
All Causes	94	11	360	319	288	168	330	131	16	40	166	2	5	354	24	16	783	206	6	208	414	244	206	211	341	2437	89
Specified Causes	85	8	339	295	234	157	294	120	15	39	153	2	4	308	18	10	708	182	6	182	354	234	196	195	326	2213	79
Causes not Specified	9	3	21	24	54	11	36	11	1	1	13	....	1	46	6	6	75	24	....	26	60	10	10	16	15	224	10
CLASSES.																											
I.—Zymotic Diseases	41	1	94	147	110	88	74	35	....	10	92	1	1	93	3	5	246	58	....	82	133	68	67	50	81	684	39
II.—Constitutional Diseases	11	1	56	38	30	17	67	30	5	6	13	....	1	58	3	1	113	41	....	25	57	50	35	33	58	429	11
III.—Local Diseases	20	2	107	54	55	27	109	34	6	16	28	....	1	93	7	4	196	52	2	44	94	78	56	74	131	662	16
IV.—Developmental Diseases	4	4	59	37	17	17	30	10	....	7	13	1	....	45	4	....	89	22	....	20	51	28	29	24	41	313	8
V.—Violent Deaths	9	....	21	19	18	8	13	11	2	....	7	....	1	19	1	....	57	8	4	10	15	10	8	14	14	118	4
Unclassified	....	....	2	....	4	....	1	....	2	....	....	....	....	....	....	....	7	1	....	1	4	....	1	....	1	7	1
ORDERS.																											
I.—1. Miasmatic Diseases	41	1	94	147	107	87	73	35	....	9	92	1	1	92	3	5	246	58	....	82	131	67	67	50	78	667	39
2. Enthetic Diseases	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	2	11	....
3. Dietic Diseases	....	....	....	....	3	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	1	....	....	....	1	5	....
4. Parasitic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....
II.—1. Diathetic Diseases	2	....	21	6	3	6	12	10	1	5	5	....	....	15	1	1	13	7	....	7	12	12	7	8	17	72	
2. Tubercular Diseases	9	1	35	32	27	11	55	20	4	1	8	....	1	43	2	....	100	34	....	13	45	38	23	25	41	357	10

III.—1. Diseases of Nervous System	4	1	35	33	15	10	42	9	2	2	7	....	....	35	5	1	85	12	1	12	26	25	9	21	37	301	2
2. Dis. of Organs of Circulation.	4	....	15	4	8	1	16	6	1	5	1	....	....	6	....	....	21	6	....	7	10	8	5	9	16	89	....
3. Dis. of Respiratory Organs..	6	....	30	4	18	12	25	4	2	4	13	....	1	30	2	2	56	15	1	9	35	30	30	28	45	162	10
4. Dis. of Digestive Organs	4	....	15	7	12	2	17	11	1	5	2	....	....	13	....	1	26	12	....	8	18	9	4	10	21	69	3
5. Diseases of Urinary Organs.	2	1	4	3	....	2	7	2	....	....	2	....	....	8	....	....	5	4	....	7	1	4	5	2	9	10	1
6. Dis. of Generative Organs...	....	....	2	1	1	....	1	....	....	....	2	....	....	....	....	....	....	....	....	1	1	....	1	1	....	3	....
7. Dis. of Organs of Locomotion	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	5	....
8. Dis. of Integ'entary System	....	....	5	2	1	....	1	2	....	....	1	....	....	1	....	....	3	2	....	....	3	1	2	3	3	14	....
IV.—1. Developm'l Dis. of Children.	1	2	35	21	8	4	9	7	....	7	7	....	....	26	3	....	53	10	....	4	24	8	17	17	9	152	6
2. Developm'l Dis. of Women..	....	1	5	7	2	2	5	1	....	....	3	....	....	8	1	....	7	1	....	3	7	2	4	1	5	42	....
3. Developm'l Dis. of Old People	3	1	13	9	4	11	15	1	....	....	2	....	....	9	....	....	25	7	....	13	17	16	8	6	24	96	2
4. Diseases of Nutrition.....	....	....	6	....	3	....	1	1	....	....	1	1	....	2	....	....	4	4	....	....	3	2	....	....	3	23	....
V.—1. Accident or Negligence.....	7	....	10	7	13	8	7	7	1	....	4	....	....	12	1	....	31	5	2	6	8	5	3	7	5	70	3
2. Battle.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Homicide	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....
4. Suicide.....	....	....	1	1	....	....	....	....	....	....	....	....	....	2	....	....	5	1	....	....	1	1	....	2	2	10	1
5. Execution.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Violent Deaths.....	2	....	10	11	5	5	6	4	1	....	3	....	1	5	....	....	21	2	2	4	6	4	5	5	7	36	....
CLASS I.—ZYMOTIC.....	41	1	94	147	110	88	74	35	....	10	92	1	1	93	3	5	246	58	....	82	133	68	67	50	81	684	39
I.—ORDER I. Miasmatic.....	41	1	94	147	107	87	73	35	....	9	92	1	1	92	3	5	246	58	....	82	131	67	67	50	78	667	39
1. Small-pox.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....
2. Measles	3	....	4	1	....	3	3	2	....	....	....	....	....	3	....	....	4	2	....	....	....	1	....	....	....	22	....
3. Scarlatina.....	....	....	7	2	7	5	4	....	....	3	2	....	....	26	....	....	5	11	....	35	32	2	....	5	3	45	....
4. Diphtheria.....	26	....	20	30	43	60	7	13	....	....	60	....	1	15	....	2	148	3	....	13	43	13	41	4	9	137	24
5. Quinsy.....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	1	....	....	1	....
6. Croup.....	2	....	10	3	18	....	3	4	....	....	1	....	....	7	....	....	18	10	....	4	12	7	2	2	2	81	....

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1880.	COUNTIES.—1880.																										
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7. Whooping-cough	2	----	----	8	2	1	6	4	----	----	----	----	----	1	----	----	6	15	----	8	8	3	2	7	1	47	1
8. Typhoid Fever	1	----	17	14	8	6	11	1	----	----	19	----	----	10	----	1	18	5	----	6	7	12	7	12	13	37	1
8. Typhus Fever	----	----	----	1	----	----	----	1	----	----	----	----	----	1	----	----	1	----	----	----	----	----	----	----	1	1	----
8. Typho-malarial Fever	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	1	----	1
9. Erysipelas	----	----	4	3	3	----	3	1	----	1	1	----	----	----	----	----	3	----	----	2	3	6	2	1	4	13	----
10. Puerperal Fever	----	----	1	----	2	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	1	1	----	1	1	3	----
11. Carbuncle	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
12. Influenza	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1
13. Dysentery	1	----	2	3	5	1	4	----	----	----	1	1	----	5	----	----	1	1	----	1	3	----	1	2	5	22	2
14. Diarrhea	----	----	3	7	2	2	2	1	----	----	1	----	----	10	1	2	13	3	----	3	4	3	1	1	7	120	----
15. Cholera Infantum	4	----	13	16	1	3	6	2	----	----	4	----	----	8	----	----	1	3	----	3	7	4	3	6	17	72	3
16. Cholera Morbus	----	----	1	1	----	----	1	1	----	----	----	----	----	1	----	----	----	----	----	----	2	2	----	----	3	8	----
16. Cholera	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	14	----	----	1	1	----	----	----	----	2	4
17. Ague	----	----	6	4	5	5	3	3	----	----	----	----	----	1	----	----	3	----	----	1	----	5	5	3	3	22	1
18. Remittent Fever	----	----	5	1	9	----	17	1	----	----	2	----	----	5	2	----	6	4	----	4	5	6	2	1	2	20	1
19. Rheumatism	----	1	1	----	2	1	3	1	----	----	----	----	----	----	----	----	3	1	----	1	2	2	----	2	5	13	----
I.—ORDER 2. Enthetic	----	----	----	----	----	1	1	----	----	----	----	----	----	----	----	----	----	----	----	----	1	1	----	----	2	11	----
1. Syphilis	----	----	----	----	----	1	1	----	----	----	----	----	----	----	----	----	----	----	----	----	1	1	----	----	2	9	----
2. Stricture of Urethra	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----
2. Stricture	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----

3. Hydrophobia	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Glanders	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
I.—ORDER 3. Dietic	....	....	....	....	3	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	1	....	....	....	1	5	....
1. Privation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Purpura	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Rachitis	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Scurvy	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Del'm Tremens (Alcoholism)	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....
4. Intemperance	....	....	....	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	4	....
5. Opium Eating	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
I.—ORDER 4. Parasitic	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....
1. Thrush	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Worms	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....
3. Disease of Scalp	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
CLASS II.—CONSTITUTIONAL	11	1	56	38	30	17	67	30	5	6	13	....	1	58	3	1	113	41	....	25	57	50	35	33	58	429	11
II.—ORDER 1. Diathetic	2	....	21	6	3	6	12	10	1	5	5	....	....	15	1	1	13	7	....	7	12	12	7	8	17	72	1
1. Gout	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Anæmia	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Dropsy	1	....	9	6	1	3	5	6	1	3	5	....	....	10	1	....	9	1	....	1	6	6	2	4	3	38	1
3. Cancer	1	....	11	....	....	2	7	2	....	2	....	....	....	5	....	1	4	3	....	6	5	5	4	4	12	31	....
4. Noma (Canker)	....	....	1	....	2	....	....	1	....	....	....	....	....	....	....	....	....	2	....	....	1	....	1	....	1	3	....
5. Mortification	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	1	....	....
II.—ORDER 2. Tubercular	9	1	35	32	27	11	55	20	4	1	8	....	1	43	2	....	100	34	....	18	45	38	28	25	41	357	10
1. Scrofula	....	....	2	1	....	1	....	1	....	....	1	....	1	2	....	....	....	2	....	....	2	1	....	2	....	2	1
2. Consumption of Bowels	....	....	....	1	....	1	....	....	....	....	1	....	....	1	....	....	....	....	....	1	....	1	2	....	1	....	....
3. Phthisis (Consumption of L'gs)	9	1	33	30	27	9	55	18	4	1	6	....	....	40	2	....	100	30	....	15	43	36	26	23	40	333	9

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4. Hydrocephalus	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....
5. Marasmus	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	22	....
CLASS III.—LOCAL DISEASES	29	2	107	54	55	27	109	34	6	16	28	....	1	93	7	4	196	52	2	44	94	78	56	74	131	662	16
III.—ORDER 1. Nervous System	4	1	36	33	15	10	42	9	2	2	7	....	....	35	5	1	85	12	1	12	26	25	9	21	37	301	2
1. Cephalitis	....	1	7	3	5	1	1	1	....	....	....	....	....	13	1	....	15	2	....	2	6	6	4	5	5	67	....
2. Apoplexy	....	....	2	3	....	2	8	....	....	....	....	....	....	3	....	....	7	1	....	2	2	....	....	1	4	14	....
3. Paralysis	....	....	9	4	....	2	14	....	....	....	....	....	....	4	....	....	12	3	....	3	3	9	....	5	13	21	....
4. Insanity	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	1	....	....	1
5. Chorea	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
6. Epilepsy	....	....	....	1	1	....	4	1	....	1	1	....	....	1	....	....	....	2	....	....	....	1	1	1	1	5	....
7. Tetanus	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....
8. Convulsions	....	....	5	6	5	3	5	1	....	1	4	....	....	5	4	1	24	2	1	1	6	2	1	4	5	128	....
9. Brain Disease	1	....	12	2	3	2	8	2	1	....	1	....	....	8	....	....	18	....	....	3	8	3	....	3	6	41	....
9. Dropsy of Brain	....	....	....	....	1	....	1	....	1	....	....	....	....	1	....	....	2	....	....	....	....	....	2	....	....	4	....
10. Spinal Fever	3	....	....	11	....	....	1	3	....	....	1	....	....	....	....	....	....	1	....	....	....	2	....	1	1	....	....
11. Spotted Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
12. Meningitis	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	4	....	....	....	....	....	....	....	....	2	....
13. Meningitis, Cerebro-spinal	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
14. Meningitis, Spinal	....	....	1	3	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	2	1	....	2	17	1
15. Neuralgia	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

16. Spine Disease	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
17. Spine, Inflam. of	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....
18. Frightened	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
III.—ORDER 2. Organs of Circulat'n	4	....	15	4	8	1	16	6	1	5	1	....	....	6	....	....	21	6	....	7	10	8	5	9	16	89	....
1. Pericarditis	1	....	2	2	....	....	4	....	....	....	1	....	....	....	....	....	....	1	....	3	1	1	2	2	3	9	....
2. Aneurism	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Heart Disease	3	....	13	2	8	1	12	6	1	5	....	....	....	6	....	....	21	5	....	4	9	7	3	7	13	80	....
4. Emboli	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
III.—ORDER 3. Respiratory Organs.	6	....	30	4	18	12	25	4	2	4	13	....	1	30	2	2	56	15	1	9	35	30	30	28	45	162	10
1. Epistaxis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Laryngitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Bronchitis	....	....	....	....	....	....	....	....	....	2	2	....	....	1	....	....	2	....	....	....	....	....	3	2	....	13	....
4. Pleurisy	....	....	....	....	1	....	2	1	....	....	....	....	....	....	....	....	....	....	....	....	1	3	1	....	....	2	....
5. Pneumonia	6	....	27	4	12	10	17	1	2	1	10	....	1	22	....	2	39	10	1	3	31	21	17	20	35	96	5
6. Asthma	....	....	2	....	....	1	....	....	....	1	....	....	....	....	....	....	2	1	....	1	....	1	....	....	1	10	....
7. Lung Disease	....	....	1	....	5	....	6	2	....	....	1	....	....	6	2	....	13	4	....	5	2	4	8	6	9	40	5
8. Catarrh	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	1	1	....	....	1	....
III.—ORDER 4. Digestive Organs	4	....	15	7	12	2	17	11	1	5	2	....	....	13	....	1	26	12	....	3	18	9	4	10	21	69	3
1. Gastritis	....	....	....	....	....	1	2	4	....	....	....	....	....	....	....	....	5	2	....	1	1	....	....	1	1	5	1
2. Enteritis	3	....	5	5	6	....	9	3	....	5	2	....	....	6	....	1	12	6	....	3	7	3	3	5	10	26	....
3. Peritonitis	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	1	....	....
4. Ascites	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
5. Ulceration of Intestines	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....
6. Hernia	....	....	1	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....
7. Obstruction of Bowels	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	1
8. Intussusception	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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9. Stricture of Intestines	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	1	----	----	----
10. Fistula	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
11. Stomach Diseases	----	----	5	----	1	----	1	----	----	----	----	----	----	5	----	----	2	1	----	1	1	3	----	----	3	14	----
12. Pancreas Disease	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13. Hepatitis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	2	----	1	----	----	2	----
14. Biliary Calculus	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
14. Jaundice	----	----	----	----	1	----	----	2	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	1	2	----
15. Liver Disease	----	----	2	----	----	1	3	----	1	----	----	----	----	2	----	----	7	2	----	1	5	1	----	----	2	12	1
16. Spleen Disease	----	----	1	1	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
17. Bowel Diseases, etc.	1	----	----	1	3	----	1	----	----	----	----	----	----	----	----	----	----	1	----	----	----	1	----	2	2	4	----
18. Mouth Disease	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 5. Urinary Organs	2	1	4	3	----	2	7	2	----	----	2	----	----	8	----	----	5	4	----	7	1	4	5	2	9	19	1
1. Nephritis	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	1	----	----
2. Ischuria	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Bright's Disease of Kidneys	----	----	1	1	----	----	4	----	----	----	2	----	----	3	----	----	2	----	----	4	----	----	----	1	----	10	----
4. Diabetes	1	----	1	2	----	1	1	----	----	----	----	----	----	3	----	----	----	1	----	----	1	1	4	----	3	----	----
5. Calculus (Gravel, etc.)	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	3	----	----	----	----	----	1	----	1	----
6. Cystitis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	1	----	----	3	----
7. Kidney Diseases	1	1	1	----	----	----	2	2	----	----	----	----	----	2	----	----	3	----	----	2	----	2	----	----	5	5	1
III.—ORDER 6. Generative Organs	----	----	2	1	1	----	1	----	----	----	2	----	----	----	----	----	----	----	----	1	1	----	1	1	----	3	----

1. Ovarian Disease	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----
1. Ovarian Tumor	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	2	----
2. Diseases of Uterus	----	----	2	1	1	----	----	----	----	----	2	----	----	----	----	----	----	----	----	----	1	----	1	----	----	1	----
3. Hydrocele	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—Order 7. Organs of Locomot'n	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	1	----	----	----	5	----
1. Arthritis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----
2. Joint Diseases	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	5	----
III.—Order 8. Integumentary System.	----	----	5	2	1	----	1	2	----	----	1	----	----	1	----	----	3	2	----	----	3	1	2	3	3	14	----
1. Phlegmon	----	----	1	1	----	----	1	1	----	----	1	----	----	1	----	----	2	1	----	----	1	----	1	2	1	9	----
2. Ulcer	----	----	1	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	1	----	1	3	----
3. Skin Diseases	----	----	3	1	----	----	----	1	----	----	----	----	----	----	----	----	1	1	----	----	1	1	----	1	1	2	----
Class IV.—Devlopmental Diseases	4	4	59	37	17	17	30	10	----	7	13	1	----	45	4	----	89	22	----	20	51	28	29	24	41	313	8
IV.—Order 1. Dev. Dis. of Children	1	2	35	21	8	4	9	7	----	7	7	----	----	26	3	----	53	10	----	4	24	8	17	17	9	152	6
1. Still-born	1	2	34	20	7	4	8	6	----	7	6	----	----	25	3	----	38	10	----	4	21	5	15	17	9	124	6
2. Infantile	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	10	----
2. Premature Birth	----	----	----	1	----	----	----	1	----	----	1	----	----	----	----	----	8	----	----	----	----	3	2	----	----	1	----
3. Cyanosis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4. Spina Bifida	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5. Other Malformations	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----
6. Teething	----	----	1	----	----	----	1	----	----	----	----	----	----	----	----	----	6	----	----	----	3	----	----	----	----	17	----
7. Injury at Birth	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
IV.—Order 2. Dev. Dis. of Women.	----	1	5	7	2	2	5	1	----	----	3	----	----	8	1	----	7	1	----	3	7	2	4	1	5	42	----
1. Dysmenorrhea	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Turn of Life	----	----	1	1	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	1	----	----	----	----	----
2. Childbirth	----	1	4	6	2	2	4	1	----	----	3	----	----	7	1	----	7	1	----	3	7	1	4	1	5	41	----
2. Abortion	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----
2. Uterine Hemorrhage	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1880.	COUNTIES.—1880.																										
	Midland.	Missaukee.	Monroe.	Montcalm.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
IV.—ORDER 3. Dev. Dis. of Old People	3	1	13	9	4	11	15	1	----	----	2	----	----	9	----	----	25	7	----	13	17	16	8	6	24	96	2
1. Old Age	3	1	13	9	4	11	15	1	----	----	2	----	----	9	----	----	25	7	----	13	17	16	8	6	24	96	2
IV.—ORDER 4. Diseases of Nutrition	----	----	6	----	3	----	1	1	----	----	1	1	----	2	----	----	4	4	----	----	3	2	----	----	3	23	----
1. Atrophy and Debility	----	----	6	----	3	----	1	1	----	----	1	1	----	2	----	----	4	4	----	----	3	2	----	----	3	23	----
CLASS V.—VIOLENT DEATHS	9	----	21	19	18	8	13	11	2	----	7	----	1	19	1	----	57	8	4	10	15	10	8	14	14	118	4
V.—ORDER 1. Accident or Negligence	7	----	10	7	13	3	7	7	1	----	4	----	----	12	1	----	31	5	2	6	8	5	3	7	5	70	3
1. Fractures and Contusions	2	----	----	----	1	----	1	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	1	1	----	20	----
2. Wounds	----	----	----	----	1	----	----	----	1	----	----	----	----	----	----	----	2	----	----	1	----	1	----	----	1	3	1
3. Burns and Scalds	1	----	3	2	1	2	1	----	----	----	----	----	----	2	----	----	2	----	----	2	4	2	----	----	1	5	1
4. Poison	----	----	1	1	1	----	1	----	----	----	----	----	----	2	----	----	3	----	----	----	----	----	----	1	1	1	----
5. Drowning	2	----	2	3	5	1	4	5	----	----	3	----	----	7	1	----	17	3	1	2	3	2	1	3	1	24	1
6. Suffocation	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	1	----	----	2	----
7. Otherwise	2	----	3	1	4	----	----	2	----	----	1	----	----	1	----	----	6	1	1	1	1	----	----	2	1	15	----
V.—ORDER 2. In Battle	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
V.—ORDER 3. Homicide	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	2	----
1. Murder	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	2	----
V.—ORDER 4. Suicide	----	----	1	1	----	----	----	----	----	----	----	----	----	2	----	----	5	1	----	----	1	1	----	2	2	10	1
1. Wounds	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	1	1	----

2. Poison	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	1	----	1	----
3. Drowning	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1
4. Hanging	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	2	----
5. Otherwise and not Specified	----	----	----	----	----	----	----	----	----	----	----	----	----	----	2	----	----	4	----	----	----	1	----	----	1	1	6	----
V.—ORDER 5. Execution	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Hanging	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
V.—ORDER 6. Violent Deaths not Included above	2	----	10	11	----	5	5	6	4	1	----	3	----	1	5	----	----	21	2	2	4	6	4	5	5	7	36	----
UNCLASSIFIED	----	----	2	----	----	4	----	1	----	2	----	----	----	----	----	----	----	7	1	----	1	4	----	1	----	1	7	1
1. Hemorrhage	----	----	1	----	----	1	----	----	----	----	----	----	----	----	----	----	----	1	1	----	----	----	----	----	----	----	5	1
2. Inflammation	----	----	1	----	----	3	----	1	----	2	----	----	----	----	----	----	----	6	----	----	1	4	----	1	----	1	2	----
3. Self Abuse	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4. Tumor	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Causes not Specified	9	3	21	24	----	54	11	36	11	1	1	13	----	1	46	6	6	75	24	----	26	69	10	10	16	15	224	10

TABLE XVII.—*Exhibiting, by Sex, by Months, by Specified Causes, and by Ages in Periods of Years, the Number of Persons Returned as having Died in Michigan during the Year ending December 31, 1880; also, by Sex, and by Specified Causes, the Number of Persons Returned as having Died during each of the Years 1876 to 1880, inclusive (Still-births included). The foot-notes in this Table refer only to the Year for which the Report is made, unless otherwise stated.*

DEATHS FROM ALL CAUSES.

SEX.	Months, 1880.													Years.					Ages in Periods of Years.—1880.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total....	860	1002	1149	1289	1166	1036	1527	1780	1676	1471	1486	1617	43	16102	14407	12766	12919	12576	6433	1114	588	643	680	603	513	556	460	461	416	474	557	564	568	511	639	322
Males....	451	556	604	683	619	553	836	939	907	795	822	852	28	8645	7522	6632	6827	6756	3519	591	304	296	316	268	245	260	235	261	241	269	330	334	339	296	355	183
Females.	407	442	545	601	545	479	688	834	761	671	661	758	15	7410	6848	6082	6040	5761	2872	523	284	347	364	335	268	296	225	197	175	205	227	230	229	215	284	134
Unk.....	2	4	----	5	2	4	3	7	5	5	3	7	..	47	37	52	52	59	42	----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	..	..	1	..	..	1	..	1	1	1	1	..	6	12	7	6	7	10	Abortion	..	..	..	..	..	1	3	..	..	1	..	..	..	..	..	..	..	1
Males	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	Abscess of Abdomen	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	Abscess of Arm	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Abscess under Arm	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	Abscess of Back	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Abscess of Bladder	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	..	..	..	..	..	..	..	1	..	1	..	3	1	..	5	2	1	Abscess of Bowels	..	..	..	..	..	..	..	1	..	..	..	1	1	..	..	..	..	..
Males	..	1	..	..	..	..	..	..	..	1	..	..	..	2	1	..	1	2	..	" " "	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	4	..	1	" " "	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	1	..	..	..	..	..	1	2	1	..	3	..	Abscess of Brain	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	Abscess of Ear	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	1	Abscess of Groin	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	Abscess of Head	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	" " "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	1	..	..	..	1	..	2	1	..	..	1	1	Abscess of Hip	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Abscess, Internal	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	2	..	..	..	..	1	..	..	..	3	2	....	....	....	....	Abscess of Kidneys	....	..	..	..	..	..	..	1	1	1	..	..	..	..	..	..	..
Males	..	..	..	..	1	..	..	..	..	1	..	..	..	2	1	....	....	....	....	" " "	....	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	..	..	..	..	..	..	..	1	1	....	....	....	....	" " "	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Abscess of Leg	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Abscess of Limb	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	2	....	....	Abscess, Lumbar	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	..	..	1	..	1	....	1	....	....	....	Abscess of Neck	....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Abscess, Pelvic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Abscess on Shoulder	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	1	..	..	1	..	1	1	..	2	..	1	8	4	1	6	4	5	Abscess in Side	....	1	1	2	..	1	1	1	..	1	..	..	..	..	..	..	..	..
Males	..	..	1	..	..	1	..	1	1	..	..	..	1	5	2	....	4	3	4	" " "	....	..	1	2	..	..	..	1	..	1	..	..	..	..	..	..	..	..
Females	1	..	..	..	..	..	..	..	..	..	2	..	..	3	2	1	2	1	1	" " "	....	1	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Abscess of Spine	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	..	..	1	..	1	..	..	..	1	..	..	4	1	3	1	3	2	Abscess of Stomach	2	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..
Males	..	1	..	..	..	..	1	..	..	..	..	..	..	2	1	3	....	2	2	" "	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	..	..	..	..	1	..	..	2	..	....	1	1	....	" "	....	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..

Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Abscess in Throat	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ales	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
les	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	Abscess of windpipe	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	3	2	3	1	2	2	5	3	2	1	1	2	..	27	20	22	15	6	7	Abscess	6	1	..	4	..	3	1	4	..	1	2	2	1	..	1	1	..	..
Males	1	..	2	1	2	..	4	2	1	..	..	1	..	14	11	11	7	2	2	"	2	1	..	4	..	1	..	3	..	..	1	..	..	..	1	1	..	..
Females	2	2	1	..	..	2	1	1	1	1	1	1	..	13	9	11	8	4	5	"	4	..	..	..	..	2	1	1	..	1	1	2	1	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Adenitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	Alcoholism	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	Amputation of Foot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	2	..	..	..	..	..	1	..	1	..	4	3	1	1	1	2	Amputation of Leg	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..	..	..	1
Total	..	1	1	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	1	Amputation of Limb	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1
Males	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	" " "	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Males	..	1	..	..	..	..	..	..	..	..	..	1	..	2	..	..	..	..	..	Amputation	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	1	..	1	..	..	..	..	..	..	..	..	2	1	..	1	2	1	Anæmia	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..
Males	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	"	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	..	..	..	..	..	..	..	1	1	..	1	2	1	"	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	1	Aneurism of Aorta	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Aneurism of Heart	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	1	..	..	..	..	..	1	1	1	..	..	1	Aneurism	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	1	..	2	Angina Pectoris	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..	..	..	Apoplexy, Cerebral	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Total	7	12	5	8	9	2	10	11	11	14	13	17	..	119	103	91	85	107	89	Apoplexy	1	..	..	1	2	5	4	3	8	10	8	15	17	13	14	7	11	..
Males	6	8	2	5	4	1	4	7	8	7	8	10	..	70	60	48	56	61	51	"	1	..	..	1	1	1	3	2	5	4	5	8	8	7	12	3	9	..

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1880.	COUNTIES.—1880.																										
	Midland.	Missaukee.	Monroe.	Montcalm.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
4. Hydrocephalus	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	2	----	----	----	----	----	----	----	----	----
5. Marasmus	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	2	----	----	----	----	----	22	----
CLASS III.—LOCAL DISEASES	29	2	107	54	55	27	109	34	6	16	28	----	1	93	7	4	106	52	2	44	94	78	56	74	131	662	16
III.—ORDER 1. Nervous System	4	1	36	33	15	10	42	9	2	2	7	----	----	35	5	1	85	12	1	12	26	25	9	21	37	301	2
1. Cephalitis	----	1	7	3	5	1	1	1	----	----	----	----	----	13	1	----	15	2	----	2	6	6	4	5	5	67	----
2. Apoplexy	----	----	2	3	----	2	8	----	----	----	----	----	----	3	----	----	7	1	----	2	2	----	----	1	4	14	----
3. Paralysis	----	----	9	4	----	2	14	----	----	----	----	----	----	4	----	----	12	3	----	3	3	9	----	5	13	21	----
4. Insanity	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	1	----	----	1	----	----	1
5. Chorea	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----
6. Epilepsy	----	----	----	1	1	----	4	1	----	1	1	----	----	1	----	----	----	2	----	----	----	1	1	1	1	5	----
7. Tetanus	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----
8. Convulsions	----	----	5	6	5	3	5	1	----	1	4	----	----	5	4	1	24	2	1	1	6	2	1	4	5	128	----
9. Brain Disease	1	----	12	2	3	2	8	2	1	----	1	----	----	8	----	----	18	----	----	3	8	3	----	3	6	41	----
9. Dropsy of Brain	----	----	----	----	1	----	1	----	1	----	----	----	----	1	----	----	2	----	----	----	----	----	2	----	----	4	----
10. Spinal Fever	3	----	----	11	----	----	1	3	----	----	1	----	----	----	----	----	----	1	----	----	----	2	----	1	1	----	----
11. Spotted Fever	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----
12. Meningitis	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	4	----	----	----	----	----	----	----	----	2	----
13. Meningitis, Cerebro-spinal	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
14. Meningitis, Spinal	----	----	1	3	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	1	----	2	1	----	2	17	1
15. Neuralgia	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Males	--	--	--	--	1	1	--	--	--	1	--	--	--	3	2	2	----	2	3	Bladder, Disease of	----	--	--	--	--	--	--	--	--	--	1	--	--	1	1	--	--
Total	1	--	1	1	2	1	--	1	3	1	4	1	--	16	6	10	11	6	14	Bladder, Inflam. of	1	--	--	2	--	--	1	1	1	--	1	1	--	1	1	2	3	1
Males	1	--	1	--	2	1	--	1	2	--	3	1	--	12	5	10	9	5	11	" " "	----	--	--	2	--	--	1	--	1	--	1	--	--	1	1	1	3	1
Females	--	--	--	1	--	--	--	--	1	1	1	--	--	4	1	----	2	1	3	" " "	1	--	--	--	--	--	--	1	--	--	--	1	--	--	--	1	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	----	1	Bladder, Paral. of	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	1	--	--	--	--	--	--	1	----	----	----	----	----	Bladder, Rupture of	----	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	1	--	--	1	----	1	----	----	----	Bladder, Ulcer. of	----	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--
Total	2	--	--	6	2	1	2	4	2	4	1	4	--	28	16	16	23	22	19	Bowels, Consumption of	6	--	1	3	1	1	3	3	1	1	--	2	1	--	3	2	--	--
Males	2	--	--	3	1	--	--	--	1	2	1	2	--	12	7	8	6	10	11	" " "	2	--	--	3	--	1	1	1	--	--	--	1	1	--	2	--	--	--
Females	--	--	--	3	1	1	2	4	1	2	--	2	--	16	9	8	17	12	8	" " "	4	--	1	--	1	--	2	2	1	1	--	1	--	--	1	2	--	--
Total	--	1	2	1	--	4	1	7	9	5	2	1	1	34	27	35	39	36	41	Bowels, Disease of	17	--	1	1	4	--	1	--	--	1	1	2	2	1	1	1	1	--
Males	--	1	2	1	--	3	--	4	7	5	2	--	--	25	18	25	23	22	21	" " "	12	--	1	1	3	--	1	--	--	1	--	2	2	1	1	--	--	--
Females	--	--	--	--	--	1	1	3	2	--	--	1	1	9	9	10	16	14	19	" " "	5	--	--	--	1	--	--	--	--	--	1	--	--	--	--	1	1	--
Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	----	1	" " "	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	10	19	22	20	10	28	32	26	29	22	24	25	--	267	237	214	226	239	218	Bowels, Inflam. of	105	10	13	13	25	12	12	14	4	6	5	10	12	9	10	3	3	1
Males	3	12	10	8	5	13	18	17	18	15	17	14	--	150	117	109	129	126	113	" " "	57	5	7	7	14	8	6	4	3	4	4	7	7	6	7	2	1	1
Females	7	7	12	12	5	15	14	9	11	7	7	11	--	117	120	105	97	111	100	" " "	48	5	6	6	11	4	6	10	1	2	1	3	5	3	3	1	2	--
Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	2	----	" " "	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	1	--	--	--	--	--	--	--	1	--	2	----	1	1	1	1	Bowels, -Intussusception of	----	--	1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	1	----	1	----	----	" "	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	1	----	" "	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	1	----	Bowels, Neuralgia of	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	1	--	--	--	--	--	--	1	----	----	----	----	----	" " "	----	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
Total	1	--	1	--	--	--	1	--	--	3	--	--	--	6	1	3	----	2	3	Bowels, Obstruction of	1	--	--	--	--	2	1	--	--	--	--	1	1	--	--	--	--	--
Males	1	--	1	--	--	--	1	--	--	2	--	--	--	5	----	1	----	1	2	" " "	1	--	--	--	--	2	1	--	--	--	--	--	1	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	1	--	--	--	1	1	2	----	1	1	" " "	----	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1880.	COUNTIES.—1880.																										
	Midland.	Missaukee.	Monroe.	Montcalm.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
9. Stricture of Intestines	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	1	----	----	----
10. Fistula	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
11. Stomach Diseases	----	----	5	----	1	----	1	----	----	----	----	----	----	5	----	----	2	1	----	1	1	3	----	----	3	14	----
12. Pancreas Disease	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13. Hepatitis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	2	----	1	----	----	2	----
14. Biliary Calculus	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
14. Jaundice	----	----	----	----	1	----	----	2	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	1	2	----
15. Liver Disease	----	----	2	----	----	1	3	----	1	----	----	----	----	2	----	----	7	2	----	1	5	1	----	----	2	12	1
16. Spleen Disease	----	----	1	1	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
17. Bowel Diseases, etc.	1	----	----	1	3	----	1	----	----	----	----	----	----	----	----	----	----	1	----	----	----	1	----	2	2	4	----
18. Mouth Disease	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 5. Urinary Organs	2	1	4	3	----	2	7	2	----	----	2	----	----	8	----	----	5	4	----	7	1	4	5	2	9	19	1
1. Nephritis	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	1	----	----
2. Ischuria	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Bright's Disease of Kidneys	----	----	1	1	----	----	4	----	----	----	2	----	----	3	----	----	2	----	----	4	----	----	----	1	----	10	----
4. Diabetes	1	----	1	2	----	1	1	----	----	----	----	----	----	3	----	----	----	1	----	----	1	1	4	----	3	----	----
5. Calculus (Gravel, etc.)	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	3	----	----	----	----	----	1	----	1	----
6. Cystitis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	1	----	----	3	----
7. Kidney Diseases	1	1	1	----	----	----	2	2	----	----	----	----	----	2	----	----	3	----	----	2	----	2	----	----	5	5	1
III.—ORDER 6. Generative Organs	----	----	2	1	1	----	1	----	----	----	2	----	----	----	----	----	----	----	----	1	1	----	1	1	----	3	----

...s ..	7	12	12	8	4	13	17	13	10	11	7	9	..	123	111	118	137	127	99	Brain, Inflam. of	81	14	3	7	3	4	4	2	1	1	1	..	..	2	..	..	..	..
...nown.	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	....	....	....	1	" " "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
...les	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Brain, Injury of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	....	....	....	....	Brain, Laceration of	....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	..	1	..	..	1	1	..	..	..	1	..	5	11	8	2	3	4	Brain, Paralysis of	....	..	..	..	..	..	..	..	..	1	..	..	2	..	1	..	1	..
Males	1	..	..	1	..	..	1	..	..	..	..	1	..	4	5	4	1	1	1	" " "	....	..	..	..	..	..	..	..	..	1	..	..	2	..	1	..	..	..
Females	..	..	..	..	..	..	..	1	..	..	..	..	..	1	6	4	1	2	3	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Brain, Rupture of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	4	2	4	1	1	3	2	4	4	2	..	27	25	25	29	30	29	Brain, Softening of	2	..	..	..	..	1	1	2	1	3	3	1	4	..	1	3	2	3
Males	..	..	2	2	2	1	..	3	2	3	4	2	..	21	19	20	22	23	22	" " "	2	..	..	..	..	1	1	1	1	2	3	1	3	..	..	3	1	2
Females	..	..	2	..	2	..	1	..	..	1	..	..	..	6	6	5	7	7	7	" " "	....	..	..	..	..	..	..	1	..	1	..	..	1	..	1	..	1	1
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Breast Disease	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	..	..	..	..	..	..	..	..	..	..	..	..	2	....	....	....	....	....	Breast, Inflam, of	....	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..
Males	1	..	..	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Females	1	..	..	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Bronchitis, Capillary	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	1	....	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	1	..	..	..	..	..	1	..	..	..	..	..	..	2	3	1	2	....	2	Bronchitis, Chronic	....	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	1	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	6	6	3	6	7	3	4	4	2	2	1	3	..	48	45	42	39	42	41	Bronchitis	31	..	1	1	1	1	..	2	..	..	1	1	2	2	2	1	1	1
Males	4	3	2	3	3	2	2	1	1	..	1	1	..	23	24	22	21	27	19	"	15	..	1	..	1	..	..	..	..	..	1	1	1	1	1	..	..	1
Females	2	3	1	3	4	1	2	3	2	2	..	2	..	25	21	20	18	15	22	"	16	..	..	1	..	1	..	2	..	..	..	..	1	1	1	1	1	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Brutal Treatment	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Bulæ (Blebs.)	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Bullet in Brain	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	3	8	1	1	2	3	..	1	1	1	5	2	..	28	43	39	28	41	36	Burning	14	3	..	1	1	1	..	2	2	1	2	..	..	..	..	..	..	1
Males	1	5	..	..	1	1	..	..	1	..	2	..	..	11	18	17	6	16	13	"	6	1	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	1

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1880.	COUNTIES.—1880.																										
	Midland.	Missaukee.	Monroe.	Montcalm.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
IV.—ORDER 3. Dev. Dis. of Old People.	3	1	13	9	4	11	15	1	....	....	2	....	....	9	....	....	25	7	....	13	17	16	8	6	24	96	2
1. Old Age	3	1	13	9	4	11	15	1	....	....	2	....	....	9	....	....	25	7	....	13	17	16	8	6	24	96	2
IV.—ORDER 4. Diseases of Nutrition	....	....	6	....	3	....	1	1	....	....	1	1	....	2	....	....	4	4	....	....	3	2	....	....	3	23	....
1. Atrophy and Debility	....	....	6	....	3	....	1	1	....	....	1	1	....	2	....	....	4	4	....	....	3	2	....	....	3	23	....
CLASS V.—VIOLENT DEATHS	9	....	21	19	18	8	13	11	2	....	7	....	1	19	1	....	57	8	4	10	15	10	8	14	14	118	4
V.—ORDER 1. Accident or Negligence	7	....	10	7	13	3	7	7	1	....	4	....	....	12	1	....	31	5	2	6	8	5	3	7	5	70	3
1. Fractures and Contusions	2	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	1	....	20	....
2. Wounds	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	2	....	....	1	....	1	....	....	1	3	1
3. Burns and Scalds	1	....	3	2	1	2	1	....	....	....	....	....	....	2	....	....	2	....	....	2	4	2	....	....	1	5	1
4. Poison	....	....	1	1	1	....	1	....	....	....	....	....	....	2	....	....	3	....	....	....	....	....	....	1	1	1	....
5. Drowning	2	....	2	3	5	1	4	5	....	....	3	....	....	7	1	....	17	3	1	2	3	2	1	3	1	24	1
6. Suffocation	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	2	....
7. Otherwise	2	....	3	1	4	....	....	2	....	....	1	....	....	1	....	....	6	1	1	1	1	....	....	2	1	15	....
V.—ORDER 2. In Battle	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
V.—ORDER 3. Homicide	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....
1. Murder	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....
V.—ORDER 4. Suicide	....	....	1	1	....	....	....	....	....	....	....	....	....	2	....	....	5	1	....	....	1	1	....	2	2	10	1
1. Wounds	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	1	....

				2	5	2	3	3	4	5	3	3	2	..	37	43	18	27	25	20	Causalty	11	4	1	2	1	2	1	1	..	..	1	..	1	2	3	2	3	2
				..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Catarrh in Head	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	2	" " "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Catarrh, Intestinal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	1	2	..	2	..	..	..	..	2	..	7	16	11	4	11	7	Catarrh	2	..	..	..	1	..	..	..	..	1	1	..	..	..	1	..	1	..
Males	..	..	..	1	..	..	..	..	..	..	..	2	..	3	11	7	4	8	3	"	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..
Females	..	..	..	..	2	..	2	..	..	..	..	..	..	4	5	4	..	3	4	"	1	..	..	..	1	..	..	..	..	1	..	..	..	..	1	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	Chest Disease	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	Chest, Inflammation in	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	2	..	..	..	..	..	..	..	..	..	2	2	1	..	5	3	Chicken-pox	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	1	..	..	..	..	..	..	..	..	..	1	1	1	..	1	2	" "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	1	..	..	..	..	..	..	..	..	..	1	1	..	..	4	1	" "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	8	14	19	15	26	11	17	18	6	15	22	22	..	193	193	161	151	141	173	Childbirth *	..	..	..	23	35	39	30	35	21	4	..	..	..	..	..	..	..	6
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	Childbirth, Inflam. after	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	4	3	2	6	6	5	12	14	7	1	6	..	68	64	64	75	55	62	Chills, Congestive	16	2	3	2	2	..	5	3	2	2	2	4	5	4	5	5	6	..
Males	1	1	1	2	4	4	1	6	8	4	..	2	..	34	30	28	39	27	27	" "	6	..	1	1	2	..	2	3	1	1	1	1	4	2	4	2	3	..
Females	1	3	2	..	2	2	4	6	6	3	1	4	..	34	34	36	36	28	35	" "	10	2	2	1	..	..	3	..	1	1	1	3	1	2	1	3	3	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Chlorine	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Chloroform	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	Chlorosis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	1	1	..	..	..	..	..	..	..	..	..	..	3	2	4	2	4	6	Choking	1	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..
Males	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	4	1	2	5	"	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..

* Includes 1 Hemorrhage from Childbirth.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.													Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females..	1	1	...	..	...	...	...	...	...	...	...	...	..	2	2	....	1	2	1	Choking.....	1	..	..	...	...	...	...	...	...	...	..	..	..	..	1	..	..	..
Total.....	10	4	4	8	8	28	116	165	92	36	15	13	..	499	300	243	370	331	289	Cholera Infantum.	489	5	2	...	...	...	...	...	...	...	..	..	..	1	..	..	..	2
Males.....	8	4	4	4	2	19	72	94	44	19	9	7	..	286	173	125	205	179	157	" "	282	2	1	...	...	...	...	...	...	...	..	..	..	..	..	..	..	1
Females..	2	...	...	4	6	8	44	70	48	17	6	6	..	211	125	116	165	152	130	" "	206	3	1	...	...	...	...	...	...	...	..	..	..	1	..	..	..	..
Unknown.	...	...	...	...	...	1	...	1	...	...	...	...	..	2	2	2	....	....	2	" "	1	..	..	...	...	...	...	...	...	...	..	..	..	..	..	..	..	1
Total.....	...	...	2	...	1	2	11	12	7	1	1	1	..	38	30	23	26	27	16	Cholera Morbus...	19	..	2	...	...	...	...	...	1	2	3	2	3	4	..	2	..	..
Males.....	...	...	2	...	1	1	7	5	7	1	1	1	..	26	16	13	17	15	8	" " ...	10	..	2	...	...	...	...	...	1	2	3	1	1	4	..	2	..	..
Females..	...	...	...	...	...	1	4	7	...	...	...	...	..	12	14	10	9	12	8	" " ...	9	..	..	...	...	...	...	...	...	...	..	1	2	..	..	..	..	..
Total.....	1	3	1	...	...	...	3	11	6	1	...	...	..	26	6	4	15	12	2	Cholera	25	..	..	...	...	1	...	...	...	...	..	..	..	..	..	..	..	..
Males.....	1	2	...	..	...	...	2	8	2	...	...	...	..	15	4	4	10	6	1	"	15	..	..	...	...	...	...	...	...	...	..	..	..	..	..	..	..	..
Females..	...	1	1	...	...	...	1	3	4	1	...	...	..	11	2	....	5	6	1	"	10	..	..	...	...	1	...	..	...	...	..	..	..	..	..	..	..	..
Total.....	...	...	...	...	...	...	1	1	...	...	...	2	..	4	1	2	1	3	2	Chorea.....	3	..	..	...	...	...	...	1	...	...	..	..	..	..	..	..	..	..
Males.....	...	...	...	...	...	...	1	...	...	...	...	1	..	2	1	1	1	2	1	"	2	..	..	...	...	...	...	...	...	...	..	..	..	..	..	..	..	..
Females..	...	...	...	...	...	...	...	1	...	...	...	1	..	2	....	1	....	1	1	"	1	..	..	...	...	...	...	1	...	...	..	..	..	..	..	..	..	..
Males.....	...	...	...	...	...	...	...	...	...	...	...	...	..	....	....	....	....	3	....	Cirrhosis of Liver.	....	..	..	...	...	...	...	...	...	...	..	..	..	..	..	..	..	..
Males.....	...	...	...	...	...	...	...	...	...	...	...	...	..	....	....	....	....	1	....	Cirrhosis.....	....	..	..	...	...	...	...	...	...	...	..	..	..	..	..	..	..	..
Males.....	...	...	...	...	...	...	...	...	...	...	...	...	..	....	1	....	....	....	....	Clot in Artery.....	....	..	..	...	...	...	...	...	...	...	..	..	..	..	..	..	..	..
Females..	...	...	...	...	..	...	...	...	...	...	...	...	..	....	....	....	1	....	....	Cold on Lungs....	....	..	..	...	...	...	...	...	...	...	..	..	..	..	..	..	..	..
Total.....	...	3	...	3	...	3	...	1	...	2	4	1	..	17	19	18	12	24	20	Cold.....	14	1	..	1	...	...	...	...	...	...	..	..	1	..	..	..	..	..
Males.....	...	1	...	2	...	1	...	1	...	1	4	...	..	10	10	8	8	13	12	"	8	1	..	...	...	...	...	...	...	...	..	..	1	..	..	..	..	..
Females..	...	2	...	1	...	2	...	...	...	1	...	1	..	7	9	10	4	11	8	"	6	..	..	1	...	...	...	...	...	...	..	..	..	..	..	..	..	..

Total	---	---	---	---	1	---	1	3	---	1	---	---	--	6	2	7	7	5	10	Colic, Bilious	---	1	--	1	---	1	---	---	1	---	--	1	--	--	1	--	--	--
Males	---	---	---	---	1	---	---	2	---	1	---	---	--	4	2	3	4	4	9	" "	---	--	--	1	---	1	---	---	---	---	--	1	--	--	1	--	--	--
Females	---	---	---	---	---	---	1	1	---	---	---	---	--	2	---	4	3	1	1	" "	---	1	--	---	---	---	---	---	1	---	--	--	--	--	--	--	--	--
Males	---	---	---	---	---	--	---	---	---	---	---	---	--	---	---	1	1	--	1	Colic, Painters	---	--	--	---	---	---	---	---	---	---	--	--	--	--	--	--	--
Total	---	2	2	---	2	---	3	6	2	1	2	3	--	23	7	4	4	5	8	Colic	18	1	--	---	1	1	---	2	---	---	--	--	--	--	--	--	--
Males	---	1	1	---	2	---	2	1	1	---	2	2	--	12	4	2	2	3	4	"	10	--	--	---	1	---	---	1	---	---	--	--	--	--	--	--	--
Females	---	1	1	---	---	---	1	5	1	1	---	1	--	11	3	2	2	2	4	"	8	1	--	---	---	1	---	1	---	---	--	--	--	--	--	--	--
Total	---	---	---	---	---	---	---	---	---	---	---	4	--	4	1	1	2	---	---	Constipation	4	--	--	---	---	---	---	---	---	---	--	--	--	--	--	--	--
Males	---	---	---	---	---	---	---	---	---	---	---	1	--	1	---	1	1	---	---	"	1	--	--	---	---	---	---	---	---	---	--	--	--	--	--	--	--
Females	---	---	---	---	---	---	---	---	---	---	---	3	--	3	1	---	1	---	---	"	3	--	--	---	---	---	--	---	---	---	--	--	--	--	--	--	--
Total	128	125	171	159	152	121	152	151	184	128	174	178	6	1829	1680	1641	1664	1590	1479	Consumption	126	21	57	178	248	216	159	156	119	100	83	89	77	80	37	43	14	26
Males	57	56	86	76	71	55	71	69	78	60	88	77	3	847	767	729	726	700	708	"	65	15	22	44	95	85	74	71	65	46	43	56	50	45	26	26	5	12
Females	71	69	85	83	81	66	81	82	106	68	86	101	3	982	913	912	938	890	771	"	61	6	35	134	153	131	85	85	54	54	38	33	27	35	11	17	9	14
Females	---	---	1	---	---	---	---	---	---	---	---	---	--	1	---	---	---	---	---	Contusion	1	--	--	---	---	---	---	---	---	---	--	--	--	--	--	--	--
Total	19	26	27	34	36	19	35	33	27	32	27	32	--	347	275	193	165	185	164	Convulsions [a]	307	3	5	3	9	4	5	1	4	---	1	--	--	--	--	1	--	4
Males	11	12	15	19	16	12	17	16	15	16	16	22	--	187	147	103	104	98	77	"	172	3	--	1	3	1	1	1	2	---	--	--	--	--	--	1	--	2
Females	8	14	12	15	20	7	18	17	12	16	11	10	--	160	128	90	61	87	87	"	135	--	5	2	6	3	4	---	2	---	1	--	--	--	--	--	--	2
Total	---	---	---	---	---	2	---	---	---	---	---	---	--	2	6	2	5	---	---	Cough	2	--	--	---	---	---	---	---	---	---	--	--	--	--	--	--	--
Males	---	---	---	---	---	1	---	---	---	---	---	---	--	1	6	1	3	---	---	"	1	--	--	---	---	---	---	---	---	---	--	--	--	--	--	--	--
Females	---	---	---	---	---	1	---	---	---	---	---	---	--	1	---	1	2	---	---	"	1	--	--	---	---	---	---	---	---	---	--	--	--	--	--	--	--
Females	---	---	---	---	---	---	---	---	---	---	---	---	--	---	---	1	---	---	---	Corn on Foot	---	--	--	---	---	---	---	---	---	---	--	--	--	--	--	--	--
Total	12	5	3	5	3	6	---	2	3	5	16	5	--	65	45	37	19	21	11	Croup, Membranous	53	11	--	---	---	1	---	---	---	---	--	--	--	--	--	--	--
Males	7	3	2	2	---	3	---	---	3	4	8	3	--	35	18	20	10	9	9	" "	26	9	--	---	---	---	---	---	---	---	--	--	--	--	--	--	--
Females	5	2	1	3	3	3	---	2	---	1	8	2	--	30	27	17	9	12	2	" "	27	2	--	---	---	1	---	---	---	---	--	--	--	--	--	--	--
Males	---	---	---	---	---	---	---	---	---	---	---	---	--	---	1	---	---	---	---	Croup, Spasmodic	---	--	--	---	---	---	---	---	---	---	--	--	--	--	--	--	--
Females	---	---	---	---	1	---	---	---	---	---	---	---	--	1	---	---	---	---	---	" "	1	--	--	---	---	---	---	---	---	---	--	--	--	--	--	--	--

[a] Includes 3 from Insane Fits, 1 from Teething, 1 from Sun-stroke, and 1 caused by Internal Tumor.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	1	----	----	Abscess, Internal	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	2	--	--	--	--	1	--	--	--	3	2	----	----	----	----	Abscess of Kidneys	----	--	--	--	--	--	--	1	1	1	--	--	--	--	--	--	--
Males	--	--	--	--	1	--	--	--	--	1	--	--	--	2	1	----	----	----	----	" " "	----	--	--	--	--	--	--	1	--	1	--	--	--	--	--	--	--
Females	--	--	--	--	1	--	--	--	--	--	--	--	--	1	1	----	----	----	----	" " "	----	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	1	----	----	----	----	Abscess of Leg	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	1	----	----	----	" " "	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	1	----	Abscess of Limb	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	----	1	" " "	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	2	2	----	----	Abscess, Lumbar	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	1	--	1	----	1	----	----	----	Abscess of Neck	----	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	----	1	" "	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	1	----	Abscess, Pelvic	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	1	----	Abscess on Shoulder	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	1	--	1	--	--	1	--	1	1	--	2	--	1	8	4	1	6	4	5	Abscess in Side	----	1	1	2	--	1	1	1	--	1	--	--	--	--	--	--	--
Males	--	--	1	--	--	1	--	1	1	--	--	--	1	5	2	----	4	3	4	" " "	----	--	1	2	--	--	--	1	--	1	--	--	--	--	--	--	--	--
Females	1	--	--	--	--	--	--	--	--	--	2	--	--	3	2	1	2	1	1	" " "	----	1	--	--	--	1	1	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	----	1	Abscess of Spine	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	1	----	----	" " "	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	1	--	--	1	--	1	--	--	--	1	--	--	4	1	3	1	3	2	Abscess of Stomach	2	--	--	--	1	--	1	--	--	--	--	--	--	--	--	--	--
Males	--	1	--	--	--	--	1	--	--	--	--	--	--	2	1	3	----	2	2	" "	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	1	--	--	--	--	--	1	--	--	2	--	----	1	1	----	" "	----	--	--	--	1	--	1	--	--	--	--	--	--	--	--	--	--	--

*	..	..	..	...	..	..	...	...	...	...	...	...	..	....	....	1	....	....	1	Dementia	....	...	...		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
...	2	5	..	2	3	7	3	6	1	7	3	5	..	44	42	33	39	19	36	Diabetes	2	3	1	4	2	2	4	2	1	1	1	1	3	5	6	1	4	1			
....	2	5	..	2	2	6	1	5	1	5	3	1	..	33	36	22	30	12	26	"	1	2	1	2	1	2	2	2	1	..		..	3	5	5	1	4	1			
...les ..	..	..	..	...	1	1	2	1	...	2	...	4	..	11	6	11	9	7	10	"	1	1	...	2	1	..	2	..	..	1	1	1	..	..	1	..	..	..			
...otal.....	..	..	2	2	2	2	2	...	1	1	2	...	..	14	14	12	21	15	27	Diarrhea, Chronic	1	...	...	..	..	..	..	2	..	..	1	1	1	1	4	1	2	..			
Males	..	..	1	1	1	1	1	...	1	1	2	..	..	9	11	10	12	11	17	" "	....	...	...	..	..	..	..	2	..	..	1	..	1	..	3	1	1	..			
Females ..	..	..	1	1	1	1	1	...	...	...	...	...	..	5	3	2	8	4	10	" "	1	...	...	..	..	..	..	..	..	..	1	..	1	1	..	1	..			
Unknown.	..	..	..	...	..	..	...	...	...	...	...	...	..	....	....	....	1	....	....	" "	....	...	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Total.....	5	6	4	1	7	21	84	90	48	16	7	7	..	296	212	161	269	289	256	Diarrhea	272	5	2	1	..	3	..	1	1	..	1	1	3	..	1	1	1	3			
Males	4	3	2	1	4	11	50	50	32	9	5	6	..	177	120	81	140	159	145	"	161	3	2	..	..	1	..	1	1	..	1	1	2	..	1	..	1	2			
Females ..	1	3	2	...	3	10	34	40	16	7	2	1	..	119	92	80	128	128	111	"	111	2	...	1	..	2	..	..	..	..	..	..	1	..	..	1	..	1			
Unknown.	..	..	..	...	..	..	...	...	...	...	...	...	..	....	....	....	1	2	....	"	....	...	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Total.....	99	74	99	116	71	82	117	134	161	186	198	200	5	1512	1473	887	593	311	207	Diphtheria	663	542	238	55	21	4	..	1	4	1	..	2	1	..	1	..	..	9			
Males	45	39	47	57	38	35	51	75	74	93	98	90	2	744	711	396	299	154	105	"	329	256	117	20	10	2	..	..	..	1	..	1	1	..	1	..	..	6			
Females...	54	35	52	59	33	47	66	59	87	93	100	110	3	798	762	491	294	157	102	"	334	286	121	35	11	2	..	1	4	..	..	1	..	..	..	..	..	3			
Males	..	..	..	...	..	..	...	1	...	...	...	...	..	1	....	....	....	....	....	Dissipation	....	...	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..			
Total.....	.	1	..	...	..	1	...	...	...	...	1	...	..	3	2	....	1	2	3	Dropsy of Abdomen	....	..	...	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..			
Males	.	1	..	...	..	..	...	...	...	...	...	...	..	1	....	....	1	....	1	" " "	....	...	...	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..			
Females...	..	..	..	...	..	1	...	...	...	...	1	...	..	2	2	....	....	2	2	" " "	..	...	...	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..			
Total	1	..	2	...	..	..	2	...	...	...	...	...	..	5	2	4	3	4	6	Dropsy of Bowels	1	1	...	..	1	..	..	..	..	1	..	..	..	..	..	..	1	..			
Males	1	..	..	...	..	..	2	...	...	...	...	...	..	3	....	....	2	2	1	" " "	1	1	...	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..			
Females...	..	..	2	..	..	..	...	...	...	...	...	...	..	2	2	4	1	2	5	" " "	....	...	...	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..			
Total.....	5	2	3	2	4	..	3	2	4	4	2	3	..	34	37	47	53	62	54	Dropsy of Brain	32	...	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..			
Males	4	2	2	2	3	..	2	...	3	2	2	2	..	24	21	24	27	31	31	" " "	24	...	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Females ..	1	..	1	...	1	..	1	2	1	2	...	1	..	10	16	23	26	31	23	" " "	8	...	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..			
Total.....	..	..	2	1	1	..	1	...	...	...	2	1	..	8	6	4	10	7	18	Dropsy of Chest	....	1	...	..	..	1	2	..	..	..	..	..	1	1	1	..	1	..			

* Includes 3 "Diphtheritic Croup."

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	..	..	1	..	..	..	..	..	1	..	..	2	3	1	5	4	9	Dropsy of Chest	....	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Females	..	..	2	1	..	..	1	..	..	..	1	1	..	6	3	3	5	3	9	" " "	....	..	..	..	..	1	2	..	..	..	..	..	..	1	1	..	1	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Dropsy, General	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	2	1	1	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	4	6	11	9	4	4	3	12	5	4	5	..	68	84	75	52	51	68	Dropsy of Heart	1	3	2	3	4	1	1	5	3	6	2	8	7	5	6	8	3	..
Males	1	2	..	5	4	2	3	2	4	4	2	3	..	32	38	41	23	32	36	" " "	1	1	..	2	3	..	..	1	3	1	1	3	3	1	3	6	3	..
Females	..	2	6	6	5	2	1	1	8	1	2	2	..	36	46	34	29	19	32	" " "	....	2	2	1	1	1	1	4	..	5	1	5	4	4	3	2	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	1	1	Dropsy of Kidneys	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	1	....	....	....	Dropsy of Limbs	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Dropsy of Liver	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	2	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	1	..	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	Dropsy, Scarlatinal	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Dropsy of Spine	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	2	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Dropsy, Uterine	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	13	15	17	19	27	15	32	31	18	30	31	23	..	271	260	249	224	226	215	Dropsy (Unspecified)	11	7	6	5	4	12	9	17	11	10	19	30	25	22	27	26	18	2
Males	8	4	6	5	13	8	17	13	8	17	16	14	..	129	108	114	98	101	105	" "	7	5	3	1	1	5	2	6	4	3	13	8	11	21	12	14	11	2
Females	5	11	11	14	14	7	15	18	10	13	15	9	..	142	152	135	126	125	110	" "	4	2	3	4	3	7	7	11	7	7	6	22	14	11	15	12	7	..
Total	..	2	4	2	6	3	9	5	2	1	2	..	..	36	17	25	16	30	17	Drowning, Accidental	6	6	6	5	1	4	2	2	..	1	..	..	..	..	..	..	..	3

Males	..	2	3	2	6	3	6	5	1	1	1	..	..	30	17	17	15	24	13	Drowning, Accidental	4	5	5	4	1	4	1	2	..	1	..	..	..	..	..	..	3
Females	..	..	1	..	..	..	3	..	1	..	1	..	..	6	....	8	1	6	4	" "	2	1	1	1	..	..	1	..	..	..	..	..	..	..	..	..	..
Total	1	1	1	8	24	21	39	14	7	18	6	3	..	143	105	92	87	142	91	Drowning	27	21	24	15	8	7	8	9	2	8	4	1	2	..	..	..	7
Males	1	1	1	4	21	20	28	12	7	16	5	2	..	118	94	83	77	124	79	"	19	17	20	15	7	7	7	7	1	7	4	..	2	..	..	..	5
Females	..	..	..	4	3	1	11	2	..	2	1	1	..	25	11	9	10	18	12	"	8	4	4	..	1	..	1	2	1	1	..	1	..	..	..	..	2
Total	..	..	..	..	..	1	..	1	1	1	..	1	..	5	2	1	5	....	....	Dysentery, Chronic	2	..	..	..	..	..	..	..	..	..	1	..	..	2	..	..	..
Males	..	..	..	..	..	..	..	..	1	1	..	1	..	3	1	1	2	....	....	" "	1	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..
Females	..	..	..	..	..	1	..	1	..	..	..	..	..	2	1	....	3	....	....	" "	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Total	..	1	5	2	5	11	34	37	36	13	6	5	..	155	133	157	216	195	162	Dysentery	122	3	1	..	1	..	2	1	..	1	..	1	3	6	6	1	7	..
Males	..	..	4	2	2	7	18	22	17	10	1	1	..	84	66	84	106	106	77	"	63	1	..	..	1	..	..	1	..	1	..	1	2	2	4	..	5	..
Females	..	1	1	..	3	4	16	15	19	3	5	4	..	71	67	73	110	89	85	"	56	2	1	..	..	..	2	.	..	..	..	..	1	4	2	1	2	..
Total	..	2	..	2	3	..	..	2	2	..	1	1	..	13	20	14	9	15	18	Dyspepsia	1	..	..	..	..	..	1	..	2	1	..	2	1	2	2	1	..	..
Males	..	1	..	2	3	..	..	2	2	..	..	..	..	10	13	8	7	10	13	"	....	..	..	..	..	..	..	..	2	1	..	2	1	2	2	..	..	..
Females	..	1	..	..	..	..	..	..	..	..	1	1	..	3	7	6	2	5	5	"	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..
Males	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	....	....	....	....	Earache	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	....	....	....	....	Ear, Ulceration of	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Eating Dried Apples	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	....	....	....	....	Eczema	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	..	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	.	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Elephantiasis in Limbs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	...	....	1	....	....	Embolism of Brain	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	.. ..	Embolism, Cerebral	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	2	2	Embolism	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	1	....	....	Emphysema	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Endocarditis, Rheumatic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	1	..	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	Endocarditis	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Total	2	3	2	7	3	7	4	2	1	2	3	5	..	41	42	31	35	31	31	Epilepsy	7	2	1	7	7	6	2	3	..	2	..	1	1	..	1	1	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.													Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total	22	25	18	15	11	13	16	13	19	32	32	40	..	256	232	199	145	157	156	Croup[a]	210	42	3	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Males	12	15	13	9	7	7	10	7	7	19	23	19	..	148	147	114	85	96	93	"	121	24	2	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Females	10	10	5	6	4	6	6	6	12	13	9	21	..	108	85	85	60	61	63	"	89	18	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Crusta Lactea	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	2	..	1	1	..	..	2	..	6	3	1	5	2	..	Cyanosis	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	1	..	..	1	..	..	2	..	4	3	1	3	..	..	"	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	1	..	1	..	..	..	..	..	2	..	..	2	2	..	"	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	..	..	..	..	..	1	1	..	..	..	..	3	4	4	7	3	4	Debility, Nervous	..	..	..	..	..	1	..	..	1	..	..	..	..	1	..	..	..	..
Males	..	..	..	..	..	..	..	1	1	..	..	..	..	2	2	2	4	1	3	" "	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..
Females	1	..	..	..	..	..	..	..	..	..	..	..	..	1	2	2	3	2	1	" "	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Total	10	4	8	12	9	13	7	14	14	21	13	21	2	148	139	123	150	155	164	Debility	69	..	..	1	..	1	..	2	..	..	3	1	8	11	18	15	13	6
Males	6	4	3	7	7	7	5	7	8	9	6	14	2	85	88	68	83	91	90	"	42	..	..	1	..	..	..	..	..	..	2	..	2	7	9	11	7	4
Females	4	..	5	5	2	6	2	7	6	12	7	7	..	63	51	55	67	64	73	"	27	..	..	..	..	1	..	2	..	..	1	1	6	4	9	4	6	2
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	1	..	..	..	..	1	..	..	1	..	..	2	..	5	6	8	1	5	11	Delirium Tremens	..	..	..	..	..	..	1	1	..	1	1	..	1	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	Dementia, Chronic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Dementia, Melancholia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	3	3	Dementia, Paralytic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Dementia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	Dementia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	5	..	2	3	7	3	6	1	7	3	5	..	44	42	33	39	19	36	Diabetes	2	3	1	4	2	2	4	2	1	1	1	1	3	5	6	1	4	1			
Males	2	5	..	2	2	6	1	5	1	5	3	1	..	33	36	22	30	12	26	"	1	2	1	2	1	2	2	2	1	..	..	..	3	5	5	1	4	1			
Females	..	..	..	..	1	1	2	1	..	2	..	4	..	11	6	11	9	7	10	"	1	1	..	2	1	..	2	..	..	1	1	1	..	..	1	..	..	..			
Total	..	..	2	2	2	2	2	..	1	1	2	..	..	14	14	12	21	15	27	Diarrhea, Chronic	1	..	..	..	..	..	..	2	..	..	1	1	1	1	4	1	2	..			
Males	..	..	1	1	1	1	1	..	1	1	2	..	..	9	11	10	12	11	17	" "	..	..	..	..	..	..	..	2	..	..	1	..	1	..	3	1	1	..			
Females	..	..	1	1	1	1	1	..	..	..	..	..	..	5	3	2	8	4	10	" "	1	..	..	..	..	..	..	..	..	..	1	..	1	1	..	1	..			
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Total	5	6	4	1	7	21	84	90	48	16	7	7	..	296	212	161	269	289	256	Diarrhea	272	5	2	1	..	3	..	1	1	..	1	1	3	..	1	1	1	3			
Males	4	3	2	1	4	11	50	50	32	9	5	6	..	177	120	81	140	159	145	"	161	3	2	..	..	1	..	1	1	..	1	1	2	..	1	..	1	2			
Females	1	3	2	..	3	10	34	40	16	7	2	1	..	119	92	80	128	128	111	"	111	2	..	1	..	2	..	..	..	..	..	..	1	..	..	1	..	1			
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Total	99	74	99	116	71	82	117	134	161	186	198	200	5	1512	1473	887	593	311	207	Diphtheria	663	542	238	55	21	4	..	1	4	1	..	2	1	..	1	..	..	9			
Males	45	39	47	57	38	35	51	75	74	93	98	90	2	744	711	396	299	154	105	"	329	256	117	20	10	2	..	..	..	1	..	1	1	..	1	..	..	6			
Females	54	35	52	59	33	47	66	59	87	93	100	110	3	798	762	491	294	157	102	"	334	286	121	35	11	2	..	1	4	..	..	1	..	..	..	..	..	3			
Males	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	Dissipation	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..			
Total	..	1	..	..	..	1	..	..	..	..	1	..	..	3	2	..	1	2	3	Dropsy of Abdomen	..	..	..	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..			
Males	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	1	" " "	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..			
Females	..	..	..	..	..	1	..	..	..	..	1	..	..	2	2	..	..	2	2	" " "	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..			
Total	1	..	2	..	..	..	2	..	..	..	..	..	..	5	2	4	3	4	6	Dropsy of Bowels	1	1	..	..	1	..	..	..	..	1	..	..	..	..	..	..	1	..			
Males	1	..	..	..	..	..	2	..	..	..	..	..	..	3	..	..	2	2	1	" " "	1	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..			
Females	..	..	2	..	..	..	..	..	..	..	..	..	..	2	2	4	1	2	5	" " "	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..			
Total	5	2	3	2	4	..	3	2	4	4	2	3	..	34	37	47	53	62	54	Dropsy of Brain	32	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..			
Males	4	2	2	2	3	..	2	..	3	2	2	2	..	24	21	24	27	31	31	" " "	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Females	1	..	1	..	1	..	1	2	1	2	..	1	..	10	16	23	26	31	23	" " "	8	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..			
Total	..	..	2	1	1	..	1	..	..	..	2	1	..	8	6	4	10	7	18	Dropsy of Chest	..	1	..	..	..	1	2	..	..	..	..	..	1	1	1	..	1	..			

* Includes 3 "Diphtheritic Croup."

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	..	..	1	..	..	..	..	..	1	..	..	2	3	1	5	4	9	Dropsy of Chest	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Females	..	..	2	1	..	..	1	..	..	..	1	1	..	6	3	3	5	3	9	" " "	..	..	..	..	..	1	2	..	..	..	..	..	..	1	1	..	1	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Dropsy, General	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	1	1	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	4	6	11	9	4	4	3	12	5	4	5	..	68	84	75	52	51	68	Dropsy of Heart	1	3	2	3	4	1	1	5	3	6	2	8	7	5	6	8	3	..
Males	1	2	..	5	4	2	3	2	4	4	2	3	..	32	38	41	23	32	36	" " "	1	1	..	2	3	..	..	1	3	1	1	3	3	1	3	6	3	..
Females	..	2	6	6	5	2	1	1	8	1	2	2	..	36	46	34	29	19	32	" " "	..	2	2	1	1	1	1	4	..	5	1	5	4	4	3	2	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	Dropsy of Kidneys	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	1	..	..	..	Dropsy of Limbs	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	Dropsy of Liver	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	Dropsy, Scarlatinal	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Dropsy of Spine	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Dropsy, Uterine	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	13	15	17	19	27	15	32	31	18	30	31	23	..	271	260	249	224	226	215	Dropsy (Unspecified)	11	7	6	5	4	12	9	17	11	10	19	30	25	22	27	26	18	2
Males	8	4	6	5	13	8	17	13	8	17	16	14	..	129	108	114	98	101	105	" "	7	5	3	1	1	5	2	6	4	3	13	8	11	21	12	14	11	2
Females	5	11	11	14	14	7	15	18	10	13	15	9	..	142	152	135	126	125	110	" "	4	2	3	4	3	7	7	11	7	7	6	22	14	11	15	12	7	..
Total	..	2	4	2	6	3	9	5	2	1	2	..	..	36	17	25	16	30	17	Drowning, Accidental	6	6	6	5	1	4	2	2	..	1	..	..	..	..	..	..	..	3

Males	..	2	8	2	6	3	6	5	1	1	1	..	..	30	17	17	15	24	13	Drowning, Accidental	4	5	5	4	1	4	1	2	..	1	..	..	..	..	..	..	..	3
Females	..	..	1	..	..	..	3	..	1	..	1	..	..	6	....	8	1	6	4	" "	2	1	1	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Total	1	1	1	8	24	21	39	14	7	18	6	3	..	143	105	92	87	142	91	Drowning	27	21	24	15	8	7	8	9	2	8	4	1	2	..	..	..	.	7
Males	1	1	1	4	21	20	28	12	7	16	5	2	..	118	94	83	77	124	79	"	19	17	20	15	7	7	7	7	1	7	4	..	2	..	..	..	..	5
Females	..	..	..	4	3	1	11	2	..	2	1	1	..	25	11	9	10	18	12	"	8	4	4	..	1	..	1	2	1	1	..	1	..	..	..	..	..	2
Total	..	..	..	..	..	1	..	1	1	1	..	1	..	5	2	1	5	....	....	Dysentery, Chronic	2	..	..	..	..	..	..	..	..	..	1	..	..	2	..	..	..	..
Males	..	..	..	..	..	..	..	..	1	1	..	1	..	3	1	1	2	....	....	" "	1	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..
Females	..	..	..	..	..	1	..	1	..	..	..	..	..	2	1	....	3	....	....	" "	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Total	.	1	5	2	5	11	34	37	36	13	6	5	..	155	133	157	216	195	162	Dysentery	122	3	1	..	1	..	2	1	..	1	..	1	3	6	6	1	7	..
Males	..	..	4	2	2	7	18	22	17	10	1	1	..	84	66	84	106	106	77	"	63	1	..	..	1	..	..	1	..	1	..	1	2	2	4	..	5	..
Females	..	1	1	..	3	4	16	15	19	3	5	4	..	71	67	73	110	89	85	"	56	2	1	..	..	..	2	.	..	..	..	..	1	4	2	1	2	..
Total	..	2	..	2	3	..	..	2	2	..	1	1	..	13	20	14	9	15	18	Dyspepsia	1	..	..	..	..	..	1	..	2	1	..	2	1	2	2	1	..	..
Males	..	1	..	2	3	..	..	2	2	..	..	..	..	10	13	8	7	10	13	"	....	..	..	..	..	..	..	..	2	1	..	2	1	2	2	..	..	..
Females	..	1	..	..	..	..	..	..	..	..	1	1	..	3	7	6	2	5	5	"	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..
Males	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	....	....	....	....	Earache	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	....	....	....	....	Ear, Ulceration of	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Eating Dried Apples	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	....	....	....	....	Eczema	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	.. .	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	.	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Elephantiasis in Limbs	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	...	....	1	....	....	Embolism of Brain	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	. ..	Embolism, Cerebral	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	2	2	Embolism	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	1	....	....	Emphysema	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Endocarditis, Rheumatic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	1	..	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	Endocarditis	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Total	2	3	2	7	3	7	4	2	1	2	3	5	..	41	42	31	35	31	31	Epilepsy	7	2	1	7	7	6	2	3	..	2	..	1	1	..	1	1	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over	Unknown.
Males	..	1	..	4	1	3	1	..	1	1	3	3	..	18	21	16	18	14	17	Epilepsy	3	2	..	4	3	3	1	1	..	1	..	..	..	..	..	..	..	..
Females	2	2	2	3	2	4	3	2	..	1	..	2	..	23	21	15	17	17	14	"	4	..	1	3	4	3	1	2	..	1	..	1	1	..	1	1	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Eruption on Back	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Erysipelas, Bone	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	1	..	1	....	....	....	....	....	Erysipelas of Bowels	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	Erysipelas in Head	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	....	....	....	....	Erysipelas, Phlegmonous	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Males	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	....	....	....	....	Erysipelas of Stomach	....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Erysipelas of Throat	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	5	7	7	9	15	7	4	4	2	10	7	6	1	84	91	75	68	86	107	Erysipelas	28	1	2	1	5	2	8	2	2	7	3	3	4	4	5	2	4	1
Males	4	4	5	4	8	5	3	2	..	4	3	4	1	47	44	37	31	55	64	"	11	..	2	..	2	2	5	1	2	6	1	2	2	3	4	2	1	1
Females	1	3	2	5	7	2	1	2	2	6	4	2	..	37	47	38	37	31	43	"	17	1	..	1	3	..	3	1	..	1	2	1	2	1	1	..	3	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	5	Explosion of Boiler	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Explosion of Kerosene	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Explosion	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	1	..	..	..	..	..	1	..	..	2	1	2	4	1	....	Exposure	....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	3	1	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	4	5	1	2	..	..	1	1	..	1	4	2	1	22	25	22	22	17	21	Falling Tree	....	..	3	2	1	2	3	1	2	2	2	2	..	1	..	..	..	1
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	3	....	....	1	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Feet, Sore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	1	5	4	4	2	11	3	11	6	6	3	1	58	41	44	39	52	45	Fever, Bilious	15	4	5	1	4	1	2	3	1	3	1	4	3	1	8	4	3	..	..	..	..
Males	..	1	3	1	1	1	5	2	5	4	4	1	1	29	16	18	18	27	23	" "	10	2	1	..	1	..	..	2	1	2	1	1	2	..	1	3	2	..	..	..	..
Females	1	..	2	3	3	1	6	1	6	2	2	2	..	29	28	26	21	25	22	" "	5	2	4	1	3	1	2	1	..	1	..	3	1	1	2	1	1	..	..	..	..
Total	..	1	..	..	..	1	..	..	..	1	1	1	..	5	9	4	4	1	1	Fever, Catarrhal	1	..	..	..	..	1	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..	..
Males	..	1	..	..	..	1	..	.	..	..	1	..	..	3	4	2	3	1	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	1	..	1	..	2	5	1	1	..	1	" "	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	..	..	..	1	..	..	..	..	..	1	..	3	3	2	2	7	1	Fever, Congestive	1	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	2	4	..	" "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	1	..	..	..	..	1	..	..	..	..	..	..	..	2	3	1	..	3	..	" "	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	1	1	..	..	1	..	3	..	..	..	1	..	Fever, Continued	1	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	1	..	" "	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	1	..	..	1	..	2	..	..	..	..	..	" "	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	1	..	..	1	..	..	3	2	..	1	8	10	8	2	5	4	Fever, Gastric	1	1	..	1	..	..	..	1	..	..	1	..	..	1	1	1	..	..	..	..	..
Males	..	..	..	1	..	..	..	..	..	..	1	..	..	2	3	2	..	2	2	" "	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	1	..	..	3	1	..	1	6	7	6	2	3	2	" "	1	1	..	..	..	..	..	1	..	..	1	..	..	..	1	1	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Fever, Hepatic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	3	2	1	2	3	4	5	4	5	2	..	32	46	47	53	36	46	Fever, Intermittent[b]	18	1	2	1	1	1	1	1	..	..	1	..	..	1	..	2	1	1	..	..	..
Males	..	1	1	1	..	2	1	2	2	2	3	1	..	16	18	24	30	16	17	" "	9	..	1	..	1	1	..	..	..	..	1	..	..	..	..	1	1	1	..	..	..
Females	..	..	2	1	1	..	2	2	3	2	2	1	..	16	28	23	23	20	29	" "	9	1	1	1	..	..	1	1	..	..	..	..	..	1	..	1	..	..	..	..	..
Total	..	1	2	2	2	1	4	9	7	2	1	..	..	31	10	5	7	4	4	Fever, Malarial	9	1	2	1	1	3	3	1	1	..	..	..	3	2	3	1	..	..	..	..	..
Males	..	1	1	1	2	1	2	5	3	1	1	..	..	18	4	1	4	1	..	" "	7	..	1	1	1	2	1	..	1	..	..	..	1	1	2	..	..	..	..	..	..
Females	..	..	1	1	..	..	2	4	4	1	..	..	..	13	6	4	3	3	4	" "	2	1	1	..	..	1	2	1	..	..	..	..	2	1	1	1	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	Fever, Milk	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

[a] Includes 1 Erysipelas of Brain, 1 Erysipelas at confinement, 4 Black Erysipelas, and 1 Putrid Erysipelas. [b] Includes 4 from "Worm Fits."

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.													Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total	22	25	18	15	11	13	16	13	19	32	32	40	..	256	232	199	145	157	156	Croup*	210	42	3	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Males	12	15	13	9	7	7	10	7	7	19	23	19	..	148	147	114	85	96	93	"	121	24	2	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Females	10	10	5	6	4	6	6	6	12	13	9	21	..	108	85	85	60	61	63	"	89	18	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Crusta Lactea	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	2	..	1	1	..	..	2	..	6	3	1	5	2	..	Cyanosis	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	1	..	..	1	..	..	2	..	4	3	1	3	..	..	"	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	1	..	1	..	..	..	..	..	2	..	..	2	2	..	"	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	..	..	..	..	..	1	1	..	..	..	..	3	4	4	7	3	4	Debility, Nervous	..	..	..	..	..	1	..	..	1	..	..	..	..	1	..	..	..
Males	..	..	..	..	..	..	..	1	1	..	..	..	..	2	2	2	4	1	3	" "	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..
Females	1	..	..	..	..	..	..	..	..	..	..	..	..	1	2	2	3	2	1	" "	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Total	10	4	8	12	9	13	7	14	14	21	13	21	2	148	139	123	150	155	164	Debility	69	..	..	1	..	1	..	2	..	..	3	1	8	11	18	15	13	6
Males	6	4	3	7	7	7	5	7	8	9	6	14	2	85	88	68	83	91	90	"	42	..	..	1	..	..	..	..	..	..	2	..	2	7	9	11	7	4
Females	4	..	5	5	2	6	2	7	6	12	7	7	..	63	51	55	67	64	73	"	27	..	..	..	..	1	..	2	..	..	1	1	6	4	9	4	6	2
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	1	..	..	..	..	1	..	..	1	..	..	2	..	5	6	8	1	5	11	Delirium Tremens	..	..	..	..	..	..	1	1	..	1	1	..	1	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	Dementia, Chronic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Dementia, Melancholia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	3	3	Dementia, Paralytic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Dementia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

	..	..	..	..	..	1	..	1	..	..	..	..	..	2	3	13	3	5	....	Fever, Typho-malarial	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	..	3	1	1	..	..	..	2	3	..	..	1	..	11	14	5	29	11	14	Fever, Typhus[a]	2	..	..	..	2	1	1	1	..	..	2	..	..	1	..	..	..	..
	..	2	1	1	..	..	..	1	1	..	..	..	..	6	6	2	13	7	6	" "	....	..	..	..	1	..	1	1	..	..	1	..	..	1	..	..	..	..
	..	1	..	..	..	..	..	1	2	..	..	1	..	5	8	3	16	4	8	" "	2	..	..	..	1	1	..	..	..	..	1	..	..	..	..	..	..	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Fever, Urinary	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..28	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	....	1	1	Fever, Yellow	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	3	8	6	8	9	2	7	14	14	11	13	9	1	105	65	64	56	96	75	Fever (Unspecified)	39	11	4	3	8	5	2	5	2	5	6	..	2	3	2	4	1	3
Males	2	5	3	3	3	..	3	10	8	4	8	5	1	55	25	32	24	52	30	" "	29	7	2	1	1	..	1	1	..	2	4	..	1	2	1	1	1	1
Females	1	3	3	5	6	2	4	4	6	7	5	4	..	50	40	31	32	44	45	" "	10	4	2	2	7	5	1	4	2	3	2	..	1	1	1	3	..	2
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	..	1	....	Fistula, Recto-cystic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	Fistula, Urethral	....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Males	..	1	..	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	1	Fistula	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	....	....	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	54	75	51	54	Fits (See Convulsions)	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	41	58	39	40	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	1	..	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	Foot, Ulceration of	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	"Found Hanging"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Fracture of Arm	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Fracture of Clavicle	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	1	Fracture of Hip	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	1	..	..	..	..	..	..	2	2	....	3	3	1	" " "	....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..
Total	..	..	..	..	1	..	1	1	..	..	3	..	..	6	5	4	2	3	4	Fracture of Leg	....	..	1	..	1	..	..	..	..	..	..	..	1	2	..	..	..	1
Males	..	..	..	..	1	..	1	..	..	..	2	..	..	4	4	3	2	2	4	" " "	....	..	1	..	1	..	..	..	..	..	..	..	..	1	..	..	..	1
Females	..	..	..	..	..	..	..	1	..	..	1	..	..	2	1	1	....	1	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Fracture of Limb	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

[a] Includes 1 Ship Fever.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	..	..	1	..	..	..	..	..	1	..	..	2	3	1	5	4	9	Dropsy of Chest	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Females	..	..	2	1	..	..	1	..	..	..	1	1	..	6	3	3	5	3	9	" " "	..	..	..	..	..	1	2	..	..	..	..	..	..	1	1	..	1	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Dropsy, General	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	1	1	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	4	6	11	9	4	4	3	12	5	4	5	..	68	84	75	52	51	68	Dropsy of Heart	1	3	2	3	4	1	1	5	3	6	2	8	7	5	6	8	3	..
Males	1	2	..	5	4	2	3	2	4	4	2	3	..	32	38	41	23	32	36	" " "	1	1	..	2	3	..	..	1	3	1	1	3	3	1	3	6	3	..
Females	..	2	6	6	5	2	1	1	8	1	2	2	..	36	46	34	29	19	32	" " "	..	2	2	1	1	1	1	4	..	5	1	5	4	4	3	2	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	Dropsy of Kidneys	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	1	..	..	..	Dropsy of Limbs	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	Dropsy of Liver	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	Dropsy, Scarlatinal	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Dropsy of Spine	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Dropsy, Uterine	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	13	15	17	19	27	15	32	31	18	30	31	23	..	271	260	249	224	226	215	Dropsy (Unspecified)	11	7	6	5	4	12	9	17	11	10	19	30	25	22	27	26	18	2
Males	8	4	6	5	13	8	17	13	8	17	16	14	..	129	108	114	98	101	105	" "	7	5	3	1	1	5	2	6	4	3	13	8	11	21	12	14	11	2
Females	5	11	11	14	14	7	15	18	10	13	15	9	..	142	152	135	126	125	110	" "	4	2	3	4	3	7	7	11	7	7	6	22	14	11	15	12	7	..
Total	..	2	4	2	6	3	9	5	2	1	2	..	..	36	17	25	16	30	17	Drowning, Accidental	6	6	6	5	1	4	2	2	..	1	..	..	..	..	..	..	..	3

																		1		Gall, Disease of																		
								1						3	1		4	1		Gall-stone										1				1				
								1						1	1		2	1		"										1								
														1			2			"														1				
																1		1		Gangrene, Senile																		
												1		1			1			" "														1				
			1				6	3	1	1	1			13	10	10	12	6	4	Gangrene[a]													2	2	2	4	3	
							5	2	1		1			9	7	8	9	5	3	"														2		4	3	
			1				1	1		1				4	8	2	3	1	1	"													2		2			
																	1			Gastralgia																		
															1					"Glanders, Yellow" (Jaundice)																		
															1					Glanders																		
Females																1				"																		
Males														1						"Glands"	1																	
Females															1					Glandular Disease																		
Males															1					Goitre																		
Females																	1			"																		
Males																	1			Gonorrhea																		
Males					1									1			1			Gout							1											
Total		2	1	2	2	3		5	3	1		2		21	21	23	16	33	21	Gravel	2			1								2	4	1	7	2	2	
Males		2	1	2	2	2		4	3	1		2		20	20	21	16	31	20	"	2			1								1	4	1	7	2	2	
Females								1						1	1	2		2	1	"												1						
Males															1					Groin, Rupture of																		
Males	1			2	2	2	1		1	1	3	2		15	9	15	5	16	11	Gun-shot		1	3	3	1		1	4					2					
Females																2		3		"																		
Males				1										1						Hæmatemesis	1																	

a Includes 4 in Feet and 1 in Leg.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.													Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Hay Fever	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	1	..	..	..	..	1	1	..	..	3	....	....	....	2	....	Headache	2	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	....	....	2	....	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	..	..	..	1	..	..	..	2	....	....	....	....	....	"	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	3	2	....	....	Head Disease	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	2	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	1	1	....	Head, Inflam. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	1	..	..	..	..	..	1	....	3	....	....	....	" " "	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Head, Neuralgia in	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Head, Rupture in	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	....	....	....	....	Heart, Abscess of	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Heart Clot	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Heart, Cramps of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	....	....	....	....	Heart Disease, Organic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
[illegible]	18	25	31	46	35	36	32	39	34	49	49	49	1	444	414	332	367	320	289	Heart, Disease of	33	9	6	13	19	18	17	16	31	33	39	35	37	56	35	37	14	5
[illegible]	9	15	18	18	17	17	16	20	17	28	27	33	1	236	222	187	194	185	154	" " "	21	6	1	6	5	6	8	6	11	17	19	17	21	34	26	19	10	3
Males	9	10	13	28	18	19	16	19	17	21	22	16	..	208	192	145	172	135	135	" " "	12	3	5	7	14	12	9	10	20	16	11	18	16	22	9	18	4	2
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	1	1	2	..	..	..	1	2	..	..	1	..	9	5	5	7	2	4	Heart, Enlargement of	....	..	..	1	..	..	..	..	..	..	..	1	3	3	1	..	..	..
Males	1	1	..	1	..	..	..	1	..	..	..	..	..	4	2	3	7	1	2	" " "	....	..	..	1	..	..	..	..	..	..	..	1	1	1	..	..	..	..

[illegible]	..	..	1	1	..	..	..	..	2	..	..	1	..	5	3	2	....	1	2	Heart, Enlargement of	....	..	..	..	..	..	..	..	..	..	..	2	2	1	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	2	....	....	Heart, Fatty Degen. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	2	....	....	....	" " " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	Heart, Hemorrhage of	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	1	....	....	....	Heart, Hypertrophy of	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
[illegible]males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	2	..	..	..	..	..	..	..	..	..	..	..	..	2	....	....	....	....	....	Heart, Inflam. of	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	2	1	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Heart, Malfor. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	..	..	..	..	..	..	1	..	1	3	..	6	12	5	9	9	5	Heart, Neuralgia of	....	..	1	..	..	..	..	1	..	..	..	1	1	..	1	1	..
Males	..	1	..	..	..	..	..	..	..	..	..	1	..	2	4	3	3	5	3	" " "	....	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..
Females	..	..	..	..	..	..	..	..	1	..	1	2	..	4	8	2	6	4	2	" " "	....	..	1	..	..	..	..	1	..	..	..	..	1	..	..	1	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	1	2	1	1	Heart, Ossification of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	1	1	..	..	..	..	..	..	1	..	3	....	....	1	1	1	Heart, Palpitation of	....	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	1	1	2	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	1	..	..	1	..	..	3	1	2	3	..	12	14	12	3	2	2	Heart, Paralysis of	2	..	..	..	1	..	..	1	..	..	..	2	2	1	1	1	..
Males	..	..	..	..	..	..	..	..	2	..	..	1	..	3	5	8	3	2	1	" " "	1	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..
Females	1	..	1	..	..	1	..	..	1	1	2	2	..	9	9	4	....	....	1	" " "	1	..	..	..	..	..	1	..	..	..	2	2	..	1	1	1	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Heart, Rupture of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	....	..	1	....	" " "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	1	..	..	..	..	..	..	..	..	1	1	....	1	2	2	Heart, Valvular Dis. of	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	3	....	....	1	" " " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	....	....	....	....	Hemorrhage of Bladder	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	1	..	1	1	..	..	..	1	1	2	..	8	11	5	5	3	3	Hemorrhage of Bowels	3	..	1	..	..	1	..	..	1	..	1	..	..	..	1	..	..
Males	..	1	..	..	..	1	..	..	..	1	..	2	..	5	8	4	4	3	2	" " "	3	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..
Females	..	..	1	..	1	..	..	..	..	..	1	..	..	3	3	1	1	....	1	" " "	....	..	1	..	..	1	..	..	..	..	1	..	..	..	..	..	..
Total	1	..	..	..	..	..	1	..	..	1	..	..	..	3	1	3	....	....	5	Hemorrhage, Cerebral	....	..	..	..	1	..	..	..	..	..	..	1	..	1	..	..	..

1880.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	..	..	..	..	..	.	..	1	..	..	..	1	....	....	....	....	....	Fever, Mountain	....	..	..	..	1	..	..	..	..	..	..	..	..	..	.	..	..
Total	1	1	..	..	1	..	1	2	..	1	1	..	..	8	5	....	3	9	5	Fever, Nervous	1	1	1	2	..	1	..	..	..	1	1	..	..	..	..	..	..	..
Males	..	..	..	..	1	..	1	2	..	1	..	..	..	5	2	....	....	6	2	" "	1	..	1	1	..	..	..	..	..	1	1	..	..	..	..	..	..	..
Females	1	1	..	..	..	..	..	..	..	..	1	..	..	3	3	....	3	3	3	" "	....	1	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	1	1	1	..	2	2	2	1	3	..	..	13	4	9	6	13	4	Fever, Remittent	5	1	1	1	..	3	1	..	..	..	..	..	..	..	..	1	..
Males	..	..	..	1	..	..	1	1	1	..	2	..	..	6	3	4	4	7	4	" "	2	..	..	..	..	2	1	..	..	..	..	..	..	..	..	1	..
Females	..	..	1	..	1	..	1	1	1	1	1	..	..	7	1	5	2	6	....	" "	3	1	1	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	..	1	..	1	1	..	1	1	1	2	..	9	4	6	4	7	6	Fever, Rheumatic	....	2	3	1	..	.	..	..	..	..	1	1	..	..	..	1	..	..
Males	1	..	..	..	..	1	..	..	1	..	..	..	.	3	3	2	2	3	3	" "	....	..	2	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Females	..	.	..	1	..	..	1	..	..	1	1	2	..	6	1	4	2	4	3	" "	....	2	1	1	..	..	..	..	..	..	1	..	..	..	..	1	.	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Fever, Septic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	6	5	5	4	6	11	10	10	4	3	5	..	71	47	63	73	73	74	Fever, Spinal	43	12	6	5	1	1	..	2	..	1	..	..	..	..	..	..	..	..
Males	..	5	2	3	2	3	5	5	6	1	1	2	..	35	21	25	35	35	40	" "	22	7	3	2	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Females	2	1	3	2	2	3	6	5	4	3	2	3	..	36	26	38	38	38	34	" "	21	5	3	3	1	1	..	2	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	1	..	..	..	..	..	1	1	....	2	1	1	Fever, Spotted	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	2	....	3	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	22	13	22	28	20	19	35	73	92	87	58	44	..	513	397	329	446	426	433	Fever, Typhoid	47	28	39	73	74	57	22	27	22	24	14	18	17	15	12	9	2	13
Males	9	6	10	17	13	11	23	38	58	43	31	26	..	285	190	176	234	233	232	" "	25	17	18	40	47	33	12	14	14	18	7	7	5	8	5	4	..	11
Females	13	7	12	11	7	8	12	35	34	44	27	18	..	228	207	153	212	193	201	" "	22	11	21	33	27	24	10	13	8	6	7	11	12	7	7	5	2	2
Total	1	1	..	..	..	1	..	2	4	..	..	..	..	9	7	18	4	6	....	Fever, Typho-malarial	2	..	2	1	..	..	1	2	..	..	..	..	..	..	1	..	..	..
Males	1	1	..	..	..	..	..	1	4	..	..	..	..	7	4	5	1	1	....	" " "	1	..	1	..	..	..	1	2	..	..	..	..	..	..	1	..	..	..

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	..	1	1	1	..	1	1	2	..	12	18	12	18	13	12	Hemorrhage[a]	6	..	..	1	1	..	..	1	..	..	..	1	..	..	1	1	..	..
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	..	1	..	..	..	..	1	1	..	6	10	7	9	9	9	"	4	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	..	..	1	1	..	1	..	1	..	6	8	5	9	4	3	"	2	..	..	..	1	..	..	1	..	..	..	1	..	..	1	..	..	..
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Hernia, Abdominal	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Hernia of Bowels	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	..	..	..	..	..	..	..	..	..	....	....	1	1	....	1	Hernia, Umbilical	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	..	1	..	1	5	2	1	1	..	13	25	16	17	14	25	Hernia (Unspecified)[b]	2	..	..	..	..	..	1	1	1	1	..	2	1	..	3	1	..	..
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	..	1	..	..	4	2	1	1	..	11	16	10	13	10	18	" "	2	..	..	..	..	..	1	1	1	1	..	2	..	..	2	1	..	..
[illegible]	[illegible]	[illegible]	[illegible]	-	..	..	..	1	1	..	..	..	..	2	9	6	4	4	7	" "	....	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..
[illegible]	..	1	..	..	..	..	..	..	..	..	..	..	..	1	....	....	1	....	....	Hiccough	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	..	4	..	2	..	1	1	..	2	..	..	11	5	10	4	7	9	Hip Disease	1	4	1	2	..	2	..	..	..	..	..	1	..	..	..	..	..	..
Males	..	1	..	3	..	2	..	1	1	..	1	..	..	9	4	7	3	7	3	" "	1	3	1	2	..	1	..	..	..	..	..	1	..	..	..	..	..	..
Females	..	..	..	1	..	..	..	..	..	..	1	..	..	2	1	3	1	....	6	" "	....	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Hip, Dislocation of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Hip, Injury of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Hip, Ulceration of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Hives	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	4	3	7	Homicide	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	1	..	..	..	..	..	..	..	..	..	..	..	1	....	....	1	....	1	"Hung Himself"	...	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Hydates	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Hydrocele	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	1	..	..	1	..	..	..	1	1	..	4	5	6	6	5	4	Hydrocephalus	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..		..	..	..	..	1	..	..	..	..	..	..	1	3	4	5	3	3	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

[a] Includes 1 from Bursting of Blood-vessel. [b] Includes 3 Strangulated Hernia.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20	20 to 25	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	..	..	1	..	..	..	..	..	..	1	1	..	3	2	2	1	2	1	Hydrocephalus	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]les	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	....	....	....	1	Hydrophobia	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]les	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	....	....	....	....	Hysteria	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Iced-water, Drinking of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Icterus Infantum	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Impacted Fæces	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	1	1	1	..	..	..	..	3	2	2	....	2	....	Inanition	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	1	....	2	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	1	..	..	1	..	1	2	1	..	..	..	6	8	2	3	4	4	Indigestion	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	1	..	..	1	1	..	..	..	3	2	2	2	2	3	"	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	1	..	..	..	..	1	1	..	..	..	..	3	6	....	1	2	1	"	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	1	3	....	Infanticide	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	2	3	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	1	1	1	2	3	1	6	3	2	..	2	5	..	27	19	31	24	36	44	Infantile	27	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	1	1	2	1	1	4	2	1	..	2	2	..	17	6	18	15	19	27	"	17	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	2	..	2	1	1	..	..	3	..	10	13	13	9	17	16	"	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	....	....	....	....	Inflammation of Limbs	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	....	....	....	....	Inflammation of right side	....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	4	5	2	3	2	..	3	2	3	6	8	..	37	29	32	39	28	37	Inflammation	18	..	1	2	3	1	1	1	1	3	1	2	..	1	..	1	..	1

		2	2	..	2	2	..	..	1	..	4	4	..	17	24	10	21	10	29	Inflammation	9	..	..	..	2	..	..	..	1	..	1	1	..	1	..	1	..	1
				2	1	..	..	2	1	2	2	4	..	20	15	22	18	18	15	"	9	..	1	2	1	1	1	1	..	3	..	1	..	..	..	..	..	..
				..	..	..	..	..	..	..	..	2	..	3	5	3	1	....	6	Influenza	2	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
				..	..	..	..	..	..	..	..	1	..	1	2	3	....	....	4	"	....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
				..	..	..	..	..	..	..	..	1	..	2	3	....	1	....	2	"	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Inhaling Steam from Tea-kettle	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	...	Injured Limb	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Injury, Internal	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Injury	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	..	..	..	..	..	1	2	..	3	1	1	..	..	8	7	11	17	13	8	Insanity	....	..	..	..	..	1	1	1	1	..	1	2	..	..	1	..	..	..
Males	..	..	..	..	..	..	..	..	1	..	1	..	..	2	4	8	10	7	4	"	....	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..
Females	..	..	..	..	..	1	2	..	2	1	..	..	..	6	3	3	7	6	4	"	....	..	..	..	..	1	..	1	1	..	1	1	..	..	1	..	..	..
Males	..	2	1	1	..	1	..	1	2	1	2	1	..	12	14	3	6	7	8	Intemperance	....	..	..	..	1	..	1	1	1	..	2	2	1	..	..	1	..	2
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	3	....	1	1	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	3	1	3	..	1	2	1	1	2	4	..	19	16	22	16	23	14	Jaundice [b]	6	..	1	..	2	..	..	..	..	2	1	1	2	2	1	..	1	..
Males	1	..	2	1	1	..	..	..	1	..	2	3	..	11	13	14	11	15	7	"	4	..	1	..	..	..	..	..	..	..	1	..	2	1	1	..	1	..
Females	..	..	1	..	2	..	1	2	..	1	..	1	..	8	3	8	5	8	7	"	2	..	..	..	2	..	..	..	..	2	..	1	..	1	..	..	..	..
Total	5	3	4	4	6	6	12	9	7	11	5	8	..	80	36	32	35	22	11	Kidney, Bright's Disease of	2	1	1	2	3	6	4	4	2	9	5	4	14	7	7	5	3	1
Males	4	3	3	3	4	4	7	8	7	8	3	8	..	62	23	26	23	18	10	" " " "	1	1	1	1	..	4	3	3	2	8	5	4	11	5	5	5	3	..
Females	1	..	1	1	2	2	5	1	..	3	2	..	..	18	13	6	12	4	1	" " " "	1	..	..	1	3	2	1	1	..	1	..	..	3	2	2	..	..	1
Total	5	5	8	4	3	4	5	11	5	3	2	5	..	55	53	66	42	46	28	Kidney Disease	2	2	..	..	4	1	1	3	2	5	2	5	7	7	6	5	3	..
Males	4	4	3	4	1	4	4	8	4	2	1	3	..	42	42	50	35	37	25	" "	2	1	..	..	..	1	1	2	1	5	2	5	6	4	6	3	3	..
Females	1	1	..	..	2	..	1	3	1	1	1	2	..	13	11	16	7	9	8	" "	....	1	..	..	4	..	..	1	1	..	..	..	1	3	..	2	..	..
Total	1	2	..	1	2	1	1	4	1	1	1	..	..	15	18	13	10	10	12	Kidneys, Inflam. of	1	1	..	..	..	..	1	..	1	..	..	2	1	..	4	2	2	..
Males	1	2	..	..	2	1	1	3	1	1	1	..	..	13	13	13	8	6	11	" " "	1	1	..	..	..	..	..	..	1	..	..	2	1	..	3	2	2	..

[a] Includes 1 from amputation of leg.
[b] Includes 1 Black Jaundice and 3 Yellow Jaundice.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Hay Fever	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	1	..	..	..	..	1	1	..	..	3	....	....	....	2	....	Headache	2	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	....	....	2	....	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	..	..	..	1	..	..	..	2	....	....	....	....	....	"	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	3	2	....	....	Head Disease	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	2	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	1	1	....	Head, Inflam. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	1	..	..	..	..	..	1	....	3	....	....	....	" " "	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Head, Neuralgia in	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Head, Rupture in	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	....	....	....	....	Heart, Abscess of	....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Heart Clot	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Heart, Cramps of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	....	....	....	....	Heart Disease, Organic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Total	18	25	31	46	35	36	32	30	34	49	49	49	1	444	414	332	367	320	289	Heart, Disease of	33	9	6	13	19	18	17	16	31	33	30	35	37	56	35	37	14	5
Males	9	15	18	18	17	17	16	20	17	28	27	33	1	236	222	187	194	185	154	" " "	21	6	1	6	5	6	8	6	11	17	19	17	21	34	26	19	10	3
Females	9	10	13	28	18	19	16	10	17	21	22	16	..	208	192	145	172	135	135	" " "	12	3	5	7	14	12	9	10	20	16	11	18	16	22	9	18	4	2
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	1	1	2	..	..	..	1	2	..	..	1	..	9	5	5	7	2	4	Heart, Enlargement of	....	..	..	1	..	..	..	..	..	..	..	1	3	3	1	..	..	..
Males	1	1	..	1	..	..	..	1	..	..	..	..	..	4	2	3	7	1	2	" " "	....	..	..	1	..	..	..	..	..	..	..	1	1	1	..	..	..	..

Females	..	..	1	1	..	..	..	..	2	..	..	1	..	5	3	2	....	1	2	Heart, Enlargement of	....	..	..	..	..	..	..	..	..	..	..	2	2	1	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	2	....	....	Heart, Fatty Degen. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	2	....	....	....	" " " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	Heart, Hemorrhage of	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	1	....	....	....	Heart, Hypertrophy of	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	2	..	..	..	..	..	..	..	..	..	..	..	..	2	....	....	....	....	....	Heart, Inflam. of	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	2	1	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Heart, Malfor. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	..	..	..	..	..	..	1	..	1	3	..	6	12	5	9	9	5	Heart, Neuralgia of	....	..	1	..	..	..	1	..	..	..	1	1	..	1	1	..
Males	..	1	..	..	..	..	..	..	..	..	..	1	..	2	4	3	3	5	3	" " "	....	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..
Females	..	..	..	..	..	..	..	..	1	..	1	2	..	4	8	2	6	4	2	" " "	....	..	1	..	..	..	1	..	..	..	..	1	..	..	1	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	2	1	1	Heart, Ossification of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	1	1	..	..	..	..	..	..	1	..	3	....	....	1	1	1	Heart, Palpitation of	....	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	1	1	2	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	1	..	..	1	..	..	3	1	2	3	..	12	14	12	3	2	2	Heart, Paralysis of	2	..	..	..	1	..	..	1	..	..	2	2	1	1	1	1	..
Males	..	..	..	..	..	..	..	..	2	..	..	1	..	3	5	8	3	2	1	" " "	1	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..
Females	1	..	1	..	..	1	..	..	1	1	2	2	..	9	9	4	....	....	1	" " "	1	..	..	..	..	..	1	..	..	..	2	2	..	1	1	1	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Heart, Rupture of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	....	..	1	....	" " "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	1	..	..	..	..	..	..	..	..	1	1	....	1	2	2	Heart, Valvular Dis. of	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	3	....	....	1	" " " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	....	....	....	....	Hemorrhage of Bladder	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	1	..	1	1	..	..	..	1	1	2	..	8	11	5	5	3	3	Hemorrhage of Bowels	3	..	1	..	..	1	..	..	1	..	1	..	..	..	1	..	..	..
Males	..	1	..	..	..	1	..	..	..	1	..	2	..	5	8	4	4	3	2	" " "	3	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..
Females	..	..	1	..	1	..	..	..	..	..	1	..	..	3	3	1	1	....	1	" " "	....	..	1	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..
Total	1	..	..	..	..	..	1	..	..	1	..	..	..	3	1	3	....	....	5	Hemorrhage, Cerebral	....	..	..	..	1	..	..	..	..	..	..	1	..	1	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	1	..	..	..	..	..	..	..	..	1	..	..	..	2	....	2	....	....	5	Hemorrhage, Cerebral	....	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..
Females	..	..	..	..	..	..	1	..	..	..	..	..	..	1	1	1	....	....	....	" "	....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Hemorrhage of Chest	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	1	..	..	..	1	..	..	..	..	..	..	..	3	....	....	....	....	....	Hemorrhage, Internal	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Males	1	..	..	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	" "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	1	..	..	..	1	..	..	..	..	..	..	..	2	....	....	....	....	....	" "	....	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Males	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	....	1	....	....	Hemorrhage of Kidneys	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	1	1	1	1	1	3	1	5	3	..	1	..	20	22	25	17	15	17	Hemorrhage of Lungs	3	..	..	1	1	2	..	4	1	3	..	1	1	1	1	1	..	..
Males	1	1	1	1	1	..	3	1	3	1	..	1	..	14	15	18	13	11	13	" " "	1	..	..	1	1	1	..	3	1	2	..	1	1	1	1	..	..	..
Females	1	..	..	..	..	1	..	..	2	2	..	..	..	6	7	7	4	4	4	" " "	2	..	..	..	..	1	..	1	..	1	..	..	..	..	..	1	..	..
Males	..	..	..	..	1	..	..	..	..	..	..	..	..	1	1	3	....	2	1	Hemorrhage of Nose	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	4	1	....	1	1	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	1	..	1	....	....	....	....	....	Hemorrhage, Ovarian	....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	2	Hemorrhage, Puerperal	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Hemorrhage, Spinal	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	..	1	1	1	..	1	..	..	..	..	..	5	5	2	4	2	2	Hemorrhage of Stomach	....	..	..	1	..	1	..	..	..	1	..	..	1	1	..	..	..	..
Males	..	..	..	..	1	1	..	1	..	..	..	..	..	3	5	2	1	1	1	" " "	....	..	..	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..
Females	..	1	..	1	..	..	..	..	..	..	..	..	..	2	....	....	3	1	1	" " "	....	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	2	1	1	1	Hemorrhage, Umbilical	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	1	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	1	1	..	..	..	..	..	..	..	..	3	2	2	4	0	3	Hemorrhage, Uterine	....	..	..	1	1	..	..	..	..	..	..	1	..	..	..	..	..	..

Total	1	1	2	1	..	1	1	1	..	1	1	2	..	12	18	12	18	13	12	Hemorrhage[a]	6	..	..	1	1	..	..	1	..	..	..	1	..	..	1	1	..	..
Males	..	1	2	..	..	1	..	..	..	..	1	1	..	6	10	7	9	9	9	"	4	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Females	1	..	..	1	..	..	1	1	..	1	..	1	..	6	8	5	9	4	3	"	2	..	.	..	1	..	..	1	..	..	..	1	..	..	1	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	..	Hernia, Abdominal	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Hernia of Bowels	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	1	....	1	Hernia, Umbilical	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	2	..	..	..	1	..	1	5	2	1	1	..	13	25	16	17	14	25	Hernia (Unspecified)[b]	2	..	..	..	..	..	1	1	1	1	..	2	1	..	3	1	..	..
Males	..	2	..	..	..	1	..	..	4	2	1	1	..	11	16	10	13	10	18	" "	2	..	..	..	..	..	1	1	1	1	..	2	..	..	2	1	..	..
Females	..	..	..	..	..	..	..	1	1	..	..	..	..	2	9	6	4	4	7	" "	....	..	..	..	.	..	..	..	..	..	..	..	1	..	1	..	..	..
Males	..	1	..	..	..	..	..	..	..	..	..	..	..	1	....	....	1	....	....	Hiccough	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	..	4	..	2	..	1	1	..	2	..	..	11	5	10	4	7	9	Hip Disease	1	4	1	2	..	2	..	..	..	..	..	1	..	..	..	..	..	..
Males	..	1	..	3	..	2	..	1	1	..	1	..	..	9	4	7	3	7	3	" "	1	3	1	2	..	1	..	..	..	..	..	1	..	..	..	..	..	..
Females	..	..	..	1	..	..	..	..	..	..	1	..	..	2	1	3	1	....	6	" "	....	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Hip, Dislocation of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Hip, Injury of	....	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Hip, Ulceration of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Hives	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	4	3	7	Homicide	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	1	..	..	..	..	..	..	..	..	..	..	..	1	....	....	1	....	1	"Hung Himself"	...	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Hydates	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	.	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Hydrocele	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	1	..	..	1	..	..	..	1	1	..	4	5	6	6	5	4	Hydrocephalus	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	1	..	..	..	..	..	..	1	3	4	5	3	3	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

[a] Includes 1 from Bursting of Blood-vessel. [b] Includes 3 Strangulated Hernia.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20	20 to 25	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	..	..	1	..	..	..	..	..	..	1	1	..	3	2	2	1	2	1	Hydrocephalus	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	....	....	....	1	Hydrophobia	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	....	....	....	....	Hysteria	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Iced-water, Drinking of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Icterus Infantum	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Impacted Fæces	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	1	1	1	..	..	..	..	3	2	2	....	2	....	Inanition	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	1	....	2	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	1	..	..	1	..	1	2	1	..	..	..	6	8	2	3	4	4	Indigestion	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	1	..	..	1	1	..	..	..	3	2	2	2	2	3	"	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	..	..	..	..	1	1	..	..	..	..	3	6	....	1	2	1	"	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	1	3	....	Infanticide	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	2	3	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	1	1	2	3	1	6	3	2	..	2	5	..	27	19	31	24	36	44	Infantile	27	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	1	1	2	1	1	4	2	1	..	2	2	..	17	6	18	15	19	27	"	17	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	1	..	..	..	2	..	2	1	1	..	..	3	..	10	13	13	9	17	16	"	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	....	....	....	....	Inflammation of Limbs	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	....	....	....	....	Inflammation of right side	....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	3	5	2	3	2	..	3	2	3	6	8	..	37	39	32	39	28	37	Inflammation	18	..	1	2	3	1	1	1	1	3	1	2	..	1	..	1	..	1

Males	..	2	2	..	2	2	..	..	1	..	4	4	..	17	24	10	21	10	22	Inflammation	9	..	..	..	2	..	..	..	1	..	1	1	..	1	..	1	..	1
Females	..	1	3	2	1	..	..	3	1	3	2	4	..	20	15	22	18	18	15	"	9	..	1	2	1	1	1	1	..	3	..	1	..	..	..	..	..	..
Total	..	..	1	..	.	..	..	..	..	..	..	2	..	3	5	3	1	..	6	Influenza	2	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	1	..	1	2	3	....	....	4	"	....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	..	..	..	..	..	..	..	..	1	..	2	3	....	1	....	2	"	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Inhaling Steam from Tea-kettle	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Injured Limb	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Injury, Internal	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Injury	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	1	2	..	3	1	1	..	..	8	7	11	17	13	8	Insanity	....	..	..	..	..	1	1	1	1	..	1	2	..	..	1	..	..	..
Males	..	..	..	..	..	..	..	..	1	..	1	..	.	2	4	8	10	7	4	"	....	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	.
Females	..	..	..	..	..	1	2	..	2	1	..	..	..	6	3	3	7	6	4	"	....	..	..	..	..	1	..	1	1	..	1	1	..	..	1	..	..	..
Males	..	2	1	1	..	1	..	1	2	1	2	1	..	12	14	3	6	7	8	Intemperance	....	..	..	..	1	..	1	1	1	..	2	2	1	..	..	1	..	2
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	3	....	1	1	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	3	1	3	..	1	2	1	1	2	4	..	19	16	22	16	23	14	Jaundice [b]	6	..	1	..	2	..	..	..	..	2	1	1	2	2	1	..	1	..
Males	1	..	2	1	1	..	..	..	1	..	2	3	..	11	13	14	11	15	7	"	4	..	1	..	..	..	..	..	..	..	1	..	2	1	1	..	1	..
Females	..	..	1	..	2	..	1	2	..	1	..	1	..	8	3	8	5	8	7	"	2	..	..	..	2	..	..	..	..	2	..	1	..	1	..	..	..	..
Total	5	3	4	4	6	6	12	9	7	11	5	8	..	80	36	32	35	22	11	Kidney, Bright's Disease of	2	1	1	2	3	6	4	4	2	9	5	4	14	7	7	5	3	1
Males	4	3	3	3	4	4	7	8	7	8	3	8	..	62	23	26	23	18	10	" " " "	1	1	1	1	..	4	3	3	2	8	5	4	11	5	5	5	3	..
Females	1	..	1	1	2	2	5	1	..	3	2	..	..	18	13	6	12	4	1	" " " "	1	..	..	1	3	2	1	1	..	1	..	..	3	2	2	..	..	1
Total	5	5	3	4	3	4	5	11	5	3	2	5	..	55	53	66	42	46	28	Kidney Disease	2	2	..	..	4	1	1	3	2	5	2	5	7	7	6	5	3	..
Males	4	4	3	4	1	4	4	8	4	2	1	3	..	42	42	59	35	37	25	" "	2	1	..	..	..	1	1	2	1	5	2	5	6	4	6	3	3	..
Females	1	1	..	..	2	..	1	3	1	1	1	2	..	13	11	16	7	9	3	" "	....	1	..	..	4	..	..	1	1	..	..	..	1	3	..	2	..	..
Total	1	2	..	1	2	1	1	4	1	1	1	..	..	15	18	13	10	10	12	Kidneys, Inflam. of	1	1	..	..	..	..	1	..	1	..	..	2	1	..	4	2	2	..
Males	1	2	..	..	2	1	1	3	1	1	1	..	..	13	13	13	8	6	11	" " "	1	1	..	..	..	..	..	..	1	..	..	2	1	..	3	2	2	..

[a] Includes 1 from amputation of leg.
[b] Includes 1 Black Jaundice and 3 Yellow Jaundice.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	..	..	1	..	..	..	1	..	..	..	..	..	2	5	....	2	4	1	Kidneys, Inflam. of	....	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	1	1	....	Kidneys, Ulceration of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	1	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	1	..	..	..	..	..	1	....	....	....	....	....	Knee, Inflam. of	....	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	1	1	..	..	..	..	..	..	..	..	..	2	....	....	....	1	....	Knee Joint, Dis. of	....	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..
Males	..	..	..	1	..	..	..	..	..	..	..	..	..	1	....	....	....	....	1	Knee Joint, Inflam. of	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	" " " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	1	..	..	..	1	..	..	.	..	..	..	..	..	2	1	....	....	....	2	Laryngitis	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	2	....	....	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1	....	1	....	....	Lead Poison	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	....	....	2	....	Leg, Diseased	....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	2	Leg, Inflam. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	1	..	1	..	..	..	1	..	3	....	2	....	....	....	Leg, Ulcer. of	....	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	..
Males	..	..	..	..	..	..	..	1	..	..	..	..	..	1	....	1	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Females	..	..	..	..	..	1	..	..	..	..	..	1	..	2	....	1	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Leprosy	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Lethargy	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	1	2	..	5	2	1	1	..	..	..	12	1	8	3	6	2	Lightning	....	..	1	2	3	2	2	..	..	..	..	1	1	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	2	2	....	1	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Limb, Ulcerated	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Liquor, Effects of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Total	..	1	..	..	..	1	..	1	..	2	2	1	..	8	5	10	6	6	5	Liver, Abscess of	2	..	..	1	..	1	1	1	..	1	..	1	..	..	..	..	..
Males	..	..	..	..	..	..	..	1	..	1	2	..	..	4	4	3	4	4	3	" " "	1	..	..	..	..	..	..	1	..	1	..	1	..	..	..	..	..	..
Females	..	1	..	..	..	1	..	..	..	1	..	1	..	4	1	7	2	2	2	" " "	1	..	..	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	....	....	....	Liver, Consumption of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	....	....	....	....	" "	....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Total	3	5	3	6	5	12	9	6	6	8	6	5	..	74	84	87	77	62	78	Liver Disease	7	2	..	..	1	4	5	4	2	4	8	5	9	10	8	4	1	..
Males	3	2	..	2	3	8	3	1	4	4	2	4	..	36	40	43	45	42	42	" "	5	1	..	..	..	1	2	2	1	2	3	4	4	3	6	1	1	..
Females	..	3	3	4	2	4	6	5	2	4	4	1	..	38	44	44	32	20	36	" "	2	1	..	..	1	3	3	2	1	2	5	1	5	7	2	3	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	3	6	7	3	Liver, Enlarg'tof	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	..	..	..	..	1	1	..	..	..	..	3	2	2	5	5	3	" " "	....	..	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Liver, Fatty Degen. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	2	..	..	1	..	..	1	1	2	4	..	11	8	10	6	7	7	Liver, Inflam. of[a]	1	1	..	..	..	..	1	..	2	1	..	..	1	1	1	1	..	1
Males	..	..	1	..	..	1	..	..	1	1	1	4	..	9	6	6	4	2	2	" " "	....	1	..	..	..	..	..	..	2	1	..	..	1	1	1	1	..	1
Females	..	..	1	..	..	..	..	..	..	..	1	..	..	2	2	4	2	5	5	" " "	1	..	.	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	...	Liver, Ossification of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Liver, Rupture of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	....	....	....	....	Liver, Scirrhosis of	....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Liver, Tumor on	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	..	1	..	1	..	..	2	2	4	2	4	1	Liver, Ulcer. of	....	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	1	..	..	..	..	1	1	3	2	2	....	" " "	....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	1	....	2	1	" " "	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Loss of Eye	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	1	..	..	..	..	1	..	2	....	....	....	....	....	Lumbago	....	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..
Males	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	....	....	....	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	1	..	1	....	....	....	....	....	"	....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..

[a] Includes 1 Chronic Inflammation of Liver.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.													Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total	..	..	1	..	..	..	1	..	..	1	..	..	..	3	3	6	3	4	2	Lungs, Abscess of	1	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..
Males	..	..	1	..	..	..	..	..	..	1	..	..	..	2	2	3	1	3	2	" " "	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	1	..	..	..	..	..	..	1	1	3	2	1	..	" " "	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	1	Lungs, Apoplexy of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	11	22	21	27	14	11	6	15	15	19	26	22	..	215	176	180	139	192	193	Lung Disease	106	10	5	4	5	4	5	4	10	10	8	7	5	14	8	6	4	..
Males	5	10	11	13	9	7	3	8	10	9	16	11	..	112	107	97	82	110	121	" "	55	6	2	3	2	1	4	1	5	5	6	4	2	7	3	3	3	..
Females	6	12	10	14	5	4	3	7	5	10	10	17	..	103	69	83	57	82	72	" "	51	4	3	1	3	3	1	3	5	5	2	3	3	7	5	3	1	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Lungs, Neuralgia of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	1	..	1	..	..	..	..	2	..	..	..	..	..	Lungs, Œdema of	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Total	1	..	1	..	..	..	..	..	1	..	..	1	..	4	1	1	..	1	..	Lungs, Paralysis of	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	2	..
Males	..	..	..	..	..	..	..	..	1	..	..	1	..	2	1	..	..	1	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..
Females	1	..	1	..	..	..	..	..	..	..	..	..	..	2	..	1	..	..	..	" " "	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	1	..	Lungs, Ulcer. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	1	..	1	1	..	..	..	3	1	..	..	..	..	Malaria	1	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	1	..	..	1	..	..	..	2	..	..	..	..	..	"	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	1	..	..	..	..	1	1	..	..	..	..	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	7	4	7	2	Malformation	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	..	1	..	..	..	..	1	..	..	..	3	..	4	1	2	2	"	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	..	..	1	..	2	..	..	4	..	..	..	..	..	Mania, Puerperal	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..	..	..	..

Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	5	....	Mania	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	....	....	2	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	4	1	1	2	4	1	1	1	3	3	3	2	..	26	9	6	11	8	3	Marasmus	....	22	1	..	1	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..
Males	3	1	1	2	4	1	..	1	2	1	2	1	..	19	2	1	6	5	1	"	....	18	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Females	1	..	..	..	..	..	1	..	1	2	1	1	..	7	7	5	5	3	2	"	....	4	1	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Mastoid Bone, Dis. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	5	7	7	22	12	12	7	10	12	12	9	10	..	125	167	16	62	118	134	Measles	....	90	19	3	5	3	..	..	1	..	3	..	..	..	1	..	..	..	..	..
Males	3	3	3	14	3	3	6	7	3	8	3	2	..	58	77	8	33	56	61	"	....	42	8	1	3	1	..	..	1	..	1	..	..	..	1	..	..	..	..	..
Females	2	4	4	8	9	9	1	3	9	4	6	8	..	67	90	8	29	62	73	"	....	48	11	2	2	2	..	..	..	..	2	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	2	....	Melancholia	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	1	..	..	..	..	1	..	..	..	..	..	..	2	1	1	2	....	....	Meningitis, Cerebral	....	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	....	....	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	1	..	1	1	..	1	.	..	1	..	..	5	10	8	9	11	36	Meningitis, Cerebro-spinal	....	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	1	..	..	1	..	..	2	5	5	1	4	20	" " "	....	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	..	1	1	..	..	..	..	..	..	..	3	5	3	8	10	16	" " "	....	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	4	5	6	2	4	8	10	2	4	3	9	..	58	31	28	39	30	38	Meningitis, Spinal	....	31	13	3	4	2	..	..	..	1	..	1	1	..	..	1	..	..	..	1
Males	..	4	2	5	2	2	6	6	2	2	3	4	..	38	16	15	20	10	21	" "	....	18	10	2	3	1	..	..	..	1	..	..	1	..	..	1	..	..	..	1
Females	1	..	3	1	..	2	2	4	..	2	..	5	..	20	15	13	19	20	17	" "	....	13	3	1	1	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	1	1	2	Meningitis, Tubercular	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	..	..	..	..	..	..	..	1	....	....	....	....	....	" "	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	2	1	1	2	1	5	2	1	2	1	3	..	22	12	10	11	5	14	Meningitis	....	19	2	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	1	1	1	.	1	..	3	1	1	1	1	1	..	12	8	7	7	4	7	"	....	11	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	1	..	1	1	1	2	1	..	1	..	2	..	10	4	3	4	1	7	"	....	8	1	..	1	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Menstruation, Excessive	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	....	....	....	Menstruation, Obstructed	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Mensos	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	1	Metro-peritonitis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Midwifery, Bad	....	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	1	Milk Leg (Phleg. dolens)	....	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	3	2	3	" " " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Mistake in Medicine	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	2	Mortification	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	1	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	1	....	4	2	Mouth Disease	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Females	..	..	..	..	..	..	..	1	..	..	..	..	..	1	....	4	2	3	2	" "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	1	....	Mouth, Nursing Sore	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Females	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	....	....	2	1	" " "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Males	..	..	..	1	..	..	..	..	..	..	..	..	..	1	2	1	3	3	....	Mumps	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	1	3	1	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Total	..	..	..	1	1	..	..	2	1	..	..	..	..	5	15	9	9	9	10	Murder	....	..	..	1	1	..	..	..	2	..	..	..	..	..	..	1	....	..
Males	..	..	..	1	1	..	..	2	..	..	..	..	..	4	10	5	5	9	8	"	....	..	..	..	1	..	..	..	2	..	..	..	..	..	..	1	....	..
Females	..	..	..	..	..	..	..	..	1	..	..	..	..	1	5	4	4	....	2	"	....	..	..	1	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	2	Navel, Disease of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Necrosis of Hip	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Necrosis of Temple Bone	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	1	Necrosis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..

Females	..	..	..	..	..	..	..	1	..	..	..	..	..	1	....	....	1	....	....	Neglect	1	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Total	..	1	..	..	1	2	1	2	2	..	1	..	..	10	4	6	5	7	1	Nerve Disease [b]	....	..	1	1	..	..	1	1	1	..	2	..	1	1	1	....	....	..
Males	..	..	..	..	..	..	..	..	2	..	..	..	..	2	3	2	2	3	....	" "	....	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	....	..
Females	..	1	..	..	1	2	1	2	..	..	1	..	..	8	1	4	3	4	1	" "	....	..	1	1	..	..	1	1	1	..	1	..	1	1	..	....	....	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Nettle Rash	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Neuralgia, Facial	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Total	..	1	1	1	..	2	..	2	1	..	..	..	..	8	7	5	6	4	6	Neuralgia	....	..	..	..	1	..	..	2	..	..	..	2	1	2	..	....	....	..
Males	..	..	..	..	..	..	..	..	1	..	..	..	..	1	4	2	2	1	2	"	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	....	....	..
Females	..	1	1	1	..	2	..	2	..	..	..	..	..	7	3	3	4	3	4	"	....	..	..	..	1	..	..	2	..	..	..	2	1	1	..	....	....	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Nightmare	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Obesity	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Obstruction of Veins of Neck	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Total	22	44	47	67	57	40	45	58	63	51	53	75	3	625	608	579	489	483	373	Old Age	....	..	..	..	..	..	1	..	..	..	2	3	12	20	74	126	382	5
Males	13	25	25	28	23	20	26	31	32	24	28	41	1	317	294	281	248	228	218	" "	....	..	..	..	..	..	..	..	..	..	1	2	6	12	27	67	200	2
Females	9	19	22	39	34	20	19	27	31	27	25	34	2	308	314	298	241	255	155	" "	....	..	..	..	..	..	1	..	..	..	1	1	6	8	47	59	182	3
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Opium	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Males	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	....	....	....	1	Opium Eating	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	....	....	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Males	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	....	....	....	....	Ossification of Arteries	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	....	....	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Osteo-sarcoma	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Females	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	1	....	....	....	Ovarian Disease	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	....	....	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	....	....	....	Ovarian Dropsy	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Females	1	..	2	1	1	..	1	2	1	1	3	1	..	14	11	6	5	3	6	Ovarian Tumor	....	..	..	..	2	1	2	1	3	1	2	..	1	..	..	....	....	1
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Ovaritis, Chronic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Total	..	1	1	..	1	..	3	2	3	..	2	1	..	14	5	8	7	4	8	Over-dose of Medicine [c]	....	2	..	2	..	1	3	2	1	..	..	..	1	..	..	1	....	1
Males	..	1	..	..	..	..	3	..	1	..	2	1	..	8	3	7	4	4	4	" " "	....	1	..	..	..	1	3	1	1	..	..	..	1	..	..	....	....	..

[a] Includes 1 Caused by Broken Rib. [b] Includes 1 Nervous Prostration caused by Fits, and 2 Nervous Prostration.
[c] Includes 1 Chloroform to Extract Tooth, 1 Opium, 1 Cape Aloes, 1 Rhubarb, and 1 Laudanum.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	..	1	..	1	..	..	2	2	..	..	..	..	6	2	1	3	..	4	Overdose of Medicine	..	1	..	2	..	..	..	1	..	..	..	..	..	..	..	1	..	1
Males	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	Overheated	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Over-lifting, Strained by	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	1	1	..	Over-work	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	1	..	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Pancreas Disease	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	Paralysis, Creeping	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Males	1	1	1	..	..	..	1	..	1	..	2	1	..	8	7	4	..	3	1	Paralysis, General	..	..	..	..	..	..	..	3	1	1	..	..	3	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Paral. of Insane, General	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	Paralysis of Stomach	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	17	24	23	20	17	25	18	25	22	29	24	25	1	270	255	237	244	230	170	Paralysis[b]	2	5	1	..	1	2	5	7	7	8	20	21	28	45	48	33	36	1
Males	9	12	11	12	9	16	11	8	8	18	11	13	1	139	122	120	132	127	89	"	..	1	..	..	1	..	3	3	..	5	10	11	11	26	28	16	24	..
Females	8	12	12	8	8	9	7	17	14	11	13	12	..	131	133	117	112	103	81	"	2	4	1	..	..	2	2	4	7	3	10	10	17	19	20	17	12	1
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Paraplegia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	Pelvic, Cellulitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	Pericarditis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	Perineum, Inflam. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	Periostitis	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Peritonitis, Chronic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Females	..	..	...	...	..	..	..	..	..	..	..	...	..	....	1	....	....	....	....	Peritonitis, Pelvic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	...	...	..	1	..	..	..	1	..	...	..	2	....	....	....	....	....	Peritonitis, Puerperal	....	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..
Total	2	..	...	1	..	2	..	..	1	2	2	...	..	10	15	11	8	8	13	Peritonitis	....	..	1	2	1	1	..	2	..	1	..	1	..	..	1	..	..	..
Males	1	..	...	...	..	1	..	..	1	1	1	...	..	5	6	5	4	4	6	"	....	..	1	1	1	..	..	1	..	..	..	1	..	..	..	..	..	..
Females	1	..	...	1	..	1	..	..	..	1	1	...	..	5	9	6	4	4	7	"	....	..	..	1	..	1	..	1	..	1	..	..	..	..	1	..	..	..
Males	..	..	...	1	..	..	..	..	..	..	..	...	..	1	....	....	....	....	....	Pharyngitis	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	...	...	..	..	..	..	1	..	..	1	..	2	....	3	1	3	1	Piles	....	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..
Total	3	2	3	2	2	1	3	1	..	4	1	4	..	26	20	16	14	19	14	Pleurisy	1	..	1	1	3	1	1	..	..	2	..	2	4	3	2	3	2	..
Males	2	..	3	...	1	1	3	1	..	3	..	1	..	15	11	9	7	12	12	"	....	..	1	1	2	..	..	..	..	2	..	1	1	3	2	2	..	..
Females	1	2	...	2	1	..	..	..	..	1	1	3	..	11	9	7	7	7	2	"	1	..	..	..	1	1	1	..	..	..	..	1	3	..	..	1	2	..
Total	2	3	...	1	..	..	..	..	..	..	..	3	..	9	4	4	3	....	6	Pleuro pneumonia	....	..	1	..	1	1	1	..	1	1	..	1	2	..	..	..	..	..
Males	..	2	...	...	..	..	..	..	..	..	..	3	..	5	2	2	2	....	4	" "	....	..	..	..	1	..	1	..	1	..	..	..	2	..	..	..	..	..
Females	2	1	...	1	..	..	..	..	..	..	..	...	..	4	2	2	1	....	2	" "	....	..	1	..	..	1	..	..	..	1	..	1	..	..	..	..	..	..
Total	7	10	17	10	7	..	5	9	9	5	7	11	1	98	72	58	70	48	80	Pneumonia, Typhoid	12	6	5	8	9	1	4	4	6	9	4	6	4	8	4	3	5	..
Males	3	7	13	6	5	..	2	6	3	4	6	6	..	61	42	29	38	27	55	" "	7	3	4	4	6	..	4	2	3	4	3	6	3	5	2	2	3	..
Females	4	3	4	4	2	..	3	3	6	1	1	5	1	37	30	29	32	21	25	" "	5	3	1	4	3	1	..	2	3	5	1	..	1	3	2	1	2	..
Total	56	82	111	113	79	37	29	36	51	44	68	105	1	812	701	462	465	627	745	Pneumonia	328	39	18	35	13	23	26	36	32	29	29	34	40	27	49	25	20	9
Males	33	49	64	70	42	20	16	22	33	35	40	55	..	479	402	275	263	364	450	"	187	22	10	20	9	10	14	20	14	22	21	27	27	19	25	16	11	5
Females	23	33	47	43	37	17	13	14	18	9	28	50	1	333	299	187	202	263	295	"	141	17	8	15	4	13	12	16	18	7	8	7	13	8	24	9	9	4
Females	..	..	...	1	..	..	..	..	..	..	..	...	..	1	....	....	....	....	....	Pneumothorax	....	.	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Total	1	1	3	1	..	4	1	4	3	2	..	2	..	22	15	27	21	19	15	Poison [c]	6	2	1	1	2	1	2	1	1	1	..	2	..	2	..	..	..	..
Males	1	..	2	1	..	3	1	1	2	1	..	2	..	14	9	14	12	6	7	"	4	2	1	..	..	1	1	1	1	1	..	..	..	2	..	..	..	..
Females	..	1	1	...	..	1	..	3	1	1	..	...	..	8	6	13	9	13	8	"	2	..	..	1	2	..	1	..	..	..	..	2	..	..	..	..	..	..
Females	..	..	...	...	..	..	..	..	..	..	..	...	..	....	....	1	....	....	....	Prolapsus Uteri	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	...	...	..	..	..	.	..	..	..	...	..	....	....	....	....	1	1	Prolapsus	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	...	...	..	..	..	..	..	..	..	...	..	....	....	....	1	....	1	Prostate, Disease of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

[a] Includes 1 Ataxia Locomotor. [b] Includes 1 Progressive. [c] Includes 1 from Kerosene Oil, 1 from eating wild berries, 1 from doctoring horse glanders, and 1 self administered.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Prostate, Enlarg't of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Prostate Gland, Swelling of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Prostatitis, Chronic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Prostatitis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	1	....	....	Prostration	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Puerperal Congestion	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	1	..	..	..	..	1	..	..	..	..	..	..	..	2	5	3	4	6	5	Puerperal Convulsions	....	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..
Females	2	1	7	5	4	1	3	2	6	5	..	1	..	37	39	16	23	29	37	Puerperal Fever	....	..	..	4	7	10	6	7	1	..	..	..	..	..	..	..	2
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	2	2	Puerperal Peritonitis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	1	....	1	Puerperal Septicæmia	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Purpura Hemorrhagica	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Purpura	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	1	..	..	..	1	..	2	....	2	1	....	1	Pyæmia	....	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	1	..	..	..	..	..	1	....	....	1	....	....	"	....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	1	..	1	....	2	....	....	1	"	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	..	..	1	..	..	1	1	3	1	..	..	8	5	7	1	4	5	Quinsy	2	2	..	2	1	..	1	..	..	..	..	..	..	..	..	..	..	..
Males	1	..	..	..	1	..	..	1	..	2	..	..	..	5	1	2	....	3	2	"	2	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	1	1	1	..	..	3	4	5	1	1	3	"	....	1	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	..	..	..	..	..	..	..	2	..	..	..	3	1	2	1	....	2	Rachitis	2	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Males	..	..	..	..	..	..	..	..	1	..	..	..	1	....	1	...	....	2	Rachitis	....	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	1	..	..	..	..	..	..	..	1	..	..	..	2	1	1	1	....	....	"	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	2	2	1	6	2	2	7	3	5	2	7	..	40	40	46	42	37	33	Railroad Accident	1	1	..	2	10	7	4	3	1	1	4	1	1	..	1	1	..	2
Males	1	2	2	1	6	2	2	6	3	4	2	6	..	37	38	42	37	36	30	" "	1	..	..	2	10	6	4	3	1	1	3	1	1	..	1	1	..	2
Females	..	..	..	..	..	..	..	1	..	1	..	1	..	3	2	4	5	1	3	" "	....	1	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Rash	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	....	....	....	....	"	....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Rheumatism in Bowels	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	.	..	1	..	..	..	..	..	..	..	..	1	....	....	....	....	....	Rheumatism of Brain	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Rheumatism in Chest	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	1	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	Rheumatism, Chronic	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Rheumatism in Head	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	2	..	2	4	2	2	1	1	1	1	1	..	18	10	8	12	11	12	Rheumatism of Heart	....	1	..	1	1	..	2	1	2	2	2	2	..	1	1	2	..	..
Males	1	2	..	2	3	1	1	1	1	..	1	..	..	13	4	6	6	7	9	" " "	....	1	..	1	..	..	1	1	1	2	2	2	..	1	..	1	..	..
Females	..	..	..	..	1	1	1	..	..	1	..	1	..	5	6	2	6	4	3	" " "	....	..	..	..	1	..	1	..	1	..	..	..	..	..	1	1	..	..
Total	1	..	3	2	1	2	3	2	4	2	3	..	..	23	21	15	12	18	16	Rheumatism, Inflam.	1	1	2	2	1	..	..	1	2	4	1	2	1	1	3	1	..	..
Males	..	..	1	1	..	1	3	1	2	1	3	..	..	13	7	5	6	16	8	" "	....	1	1	1	1	..	..	..	1	4	..	..	1	1	1	1	..	..
Females	1	..	2	1	1	1	..	1	2	1	..	..	..	10	14	10	6	2	8	" "	1	..	1	1	..	..	..	1	1	..	1	2	..	..	2	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Rheumatism, Nervous	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	1	..	..	1	..	..	..	..	1	..	..	..	..	3	....	....	4	1	3	Rheumatism, Sciatic	....	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	3	1	....	2	2	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Rheumatism, Spinal	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	....	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Rheumatism of Stomach	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	1	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	1	1	1	5	2	3	1	3	3	2	4	..	28	46	29	42	29	31	Rheumatism	2	..	1	..	..	..	..	2	2	4	2	5	3	3	3	1	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	1	..	.	1	4	2	1	..	3	1	2	4	..	19	22	16	29	18	22	Rheumatism	2	..	1	..	..	..	..	..	2	2	2	2	3	2	1	1	1	..
Females	1	1	1	..	1	..	2	1	..	2	..	..	..	9	24	13	14	11	9	"	..	..	..	..	..	..	..	..	..	..	2	..	2	1	2	2	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	Roseola	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	Rupture of Blood Vessel	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Rupture, Internal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	"Salt Rheum"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Sarcoma, Medullary	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	1	..	Scald Head	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	4	1	..	5	3	1	3	4	2	3	3	7	..	36	21	27	32	25	34	Scalding	29	3	..	..	..	..	..	..	1	..	1	..	1	..	..	..	..	1
Males	3	..	..	4	2	1	2	4	2	2	1	2	..	23	16	18	24	15	19	"	16	3	..	..	..	..	..	..	1	..	1	..	1	..	..	..	..	1
Females	1	1	..	1	1	..	1	..	..	1	2	5	..	13	5	9	8	10	15	"	13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Scalp, Disease of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	25	22	30	42	35	23	20	34	21	28	46	43	1	370	418	429	404	399	423	Scarlet Fever*	235	97	24	5	2	1	1	..	..	1	..	.	..	..	..	1	..	3
Males	14	11	18	26	19	13	11	21	11	17	18	18	..	197	225	217	203	193	216	" "	126	52	14	3	..	..	..	..	..	1	..	..	..	..	..	..	..	1
Females	11	11	12	15	16	10	9	13	10	11	28	25	1	172	193	212	200	206	207	" "	103	45	10	2	2	1	1	..	..	..	..	..	..	..	..	1	..	1
Unknown	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Total	3	..	1	3	..	4	5	5	1	1	4	4	..	31	35	33	32	26	34	Scrofula	15	3	3	..	1	..	2	2	1	1	..	..	1	..	1	1	..	..
Males	1	..	1	2	..	4	3	4	1	..	3	1	..	20	14	15	15	15	24	"	11	3	3	..	1	..	..	..	..	..	..	1	..	1	..	..	..
Females	2	..	..	1	..	..	2	1	..	1	1	3	..	11	21	18	17	11	10	"	4	..	..	..	..	..	2	2	1	1	..	..	..	..	..	1	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	Scurvy	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

					1									1				2		"Self Abuse"				1																		
															1					Senile Lunacy																							
	1	1	1		1			1	3	3	1	4		16	6	6	4	5	2	Septicæmia	4		1		1	1		3	1		1	1	1			1	1	
	1				1			1	2	1	1	4		11	3	2	1	1	1	"	3		1		1			2	1				1			1	1	
Females		1	1						1	2				5	3	4	3	4	1	"	1					1		1			1	1						
Males		1												1						Shingles													1					
Males																1			1	Shock																		
Females																			1	"																		
Females																		1		Sickness of Mother																		
Total									2					2						Skin Disease	1	1																
Males									1					1						" "		1																
Females									1					1						" "	1																	
Males															3	4	51	43	20	Small-pox																		
Females	1				1	1								3	3	2	51	33	6	" "	1	2																
Males																		1		Snake Bite																		
Males																	1			Spasm of Glottis																		
Females																			1	" " "																		
Males																		1		Spider Bite																		
Females																1			1	Spina Bifida																		
Females																	1			Spinal Irritation																		
Males							1							1						Spine, Concussion of								1										
Males															1					Spine, Curvature of																		
Total	5	2	4	4	5	7	8	14	6	6	4	3		68	79	72	81	73	69	Spine Disease	42	3	2	3	6	3	1		1	3				1	1	2		
Males	2	1	2	2	3	3	5	7	5	3	2	2		37	45	33	37	37	34	" "	28	2		1	3		1								1	1		
Females	3	1	2	2	2	4	3	7	1	3	2	1		31	33	39	43	36	35	" "	14	1	2	2	3	3			1	3				1		1		
Unknown															1		1			" "																		

* Includes 1 Scarlet Rash and 2 Canker Rash.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	....	....	....	....	Spine, Dislocation of	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Total	..	..	..	1	..	..	..	..	..	1	..	..	..	2	2	2	2	2	1	Spine, Inflam. of	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1	2	....	....	1	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Females	..	..	..	1	..	..	..	..	..	..	..	..	..	1	1	....	2	2	....	" "	...	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Males	..	..	1	..	..	1	1	..	..	..	..	..	..	3	1	2	2	....	1	Spine, Injury of	1	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	..	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	1	..	1	..	1	1	..	..	..	1	..	5	1	3	1	....	....	Spine, Paralysis of	....	1	..	..	..	..	..	..	..	..	1	..	1	1	..	1	..	..
Males	..	..	..	..	1	..	1	..	..	..	..	1	..	3	1	3	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	..	..
Females	..	..	1	..	..	..	..	1	..	..	..	..	..	2	....	....	1	....	....	" " "	....	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Spine, Softening of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	...	....	....	....	1	Spine, Ulceration of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Spleen, Congestion of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	1	....	Spleen, Disease of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	1	..	1	1	1	1	1	1	2	..	9	4	4	1	....	1	Spleen, Enlargement of	1	1	..	..	..	..	1	1	1	..	1	..	..	..	2	..	..	1
Males	..	..	..	..	..	1	1	1	..	1	..	..	..	4	3	2	1	....	....	" " "	1	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	1
Females	..	..	..	1	..	..	..	..	1	..	1	2	..	5	1	2	....	....	1	" " "	....	1	..	..	..	..	1	1	..	..	1	..	..	..	1	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Spleen, Inflam. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	....	....	....	1	Stabbing	....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	1	..	..	..	..	..	..	1	1	....	....	....	1	Starvation	....	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	40	71	58	61	46	50	57	65	55	58	80	94	..	738	749	793	720	646	629	Still-born	738	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

	24	44	37	30	21	31	29	27	27	23	42	59	11	103	123	111	299	256	244	Still-born	408	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	15	24	21	23	23	17	25	34	24	31	36	28	..	301	298	307	290	238	245	" "	301	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1	3	..	2	2	2	3	4	4	4	2	7	..	34	28	42	31	32	40	" "	34	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Sting of Bee	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Stomach, Contraction of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	1	..	1	..	3	2	3	2	..	..	2	..	15	22	22	20	20	12	Stomach Disease	3	..	..	1	..	..	1	.	..	1	1	..	2	2	..	4	..	..
Males	1	1	..	..	..	1	2	3	2	..	..	1	..	11	13	16	9	10	5	" "	2	..	..	1	..	..	1	..	..	1	..	..	1	2	..	3	..	..
Females	..	..	..	1	..	2	..	..	..	..	..	1	..	4	9	6	11	10	7	" "	1	..	..	..	..	..	..	..	..	1	..	1	..	..	1	..	..
Total	1	3	2	2	2	2	2	5	5	2	3	1	..	30	32	30	20	22	27	Stomach, Inflam. of	6	1	1	..	2	1	4	..	3	2	1	2	1	3	..	2	..	1
Males	..	..	1	2	2	1	1	2	2	..	1	..	..	12	17	14	8	14	10	" " "	1	..	..	..	1	..	2	..	1	1	1	2	1	2	..	..	..	..
Females	1	3	1	..	..	1	1	3	3	2	2	1	..	18	15	16	12	8	17	" " "	5	1	1	..	1	1	2	..	2	1	..	..	..	1	..	2	..	1
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Stomach, Neuralgia of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	1	..	1	..	..	..	..	1	1	..	4	1	5	3	3	....	" " "	....	..	..	..	..	..	..	..	1	..	..	..	1	1	1	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	....	....	....	....	Stomach, Perforation of	....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Stomach, Strain of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	..	1	..	2	1	..	..	2	..	2	..	9	8	7	11	7	8	Stomach, Ulceration of	....	..	..	..	1	1	..	2	..	..	1	..	1	3	..	..	..	..
Males	..	1	..	1	..	2	..	..	..	1	..	..	..	5	5	4	9	5	6	" " "	....	..	..	..	1	..	..	..	..	..	1	..	1	2	..	..	..	..
Females	..	..	..	..	..	..	1	..	..	1	..	2	..	4	3	3	2	2	2	" " "	....	..	..	..	..	1	..	2	..	..	..	..	..	1	..	..	..	..
Males	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	....	....	....	....	Stomatitis	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	1	..	..	1	..	..	..	2	2	....	....	1	....	Stone in Bladder	....	..	..	1	..	..	.	..	..	..	..	1	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	1	..	..	..	..	..	..	1	2	....	....	1	....	" " "	....	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	....	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Total	1	..	1	..	..	..	1	..	1	1	..	1	..	6	6	9	5	7	2	Strangulation	5	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	1	..	..	..	1	..	1	1	..	1	..	5	5	3	3	3	2	"	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1	6	2	4	....	"	....	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Stricture of Intestines	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																	
	January.	February.	March.	April.	May.	June	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	--	--	--	--	--	--	--	1	--	--	--	--	--	1	----	----	----	----	----	Stricture of Intestines	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	1	----	----	----	----	Stricture of Œsophagus	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	1	--	--	1	2	----	1	----	3	Stricture of Urethra	----	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	1	----	----	----	----	" " "	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	1	--	--	--	--	--	--	--	--	1	1	----	----	----	1	Stricture	---	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--
Total	-	2	1	1	1	--	--	2	--	1	--	4	--	12	14	12	7	18	9	Suffocation	5	2	--	2	--	--	2	--	--	--	--	--	--	--	--	--	1
Males	--	2	1	--	1	--	--	2	--	1	--	2	--	9	9	5	5	14	4	"	4	2	--	1	--	--	1	--	--	--	--	--	--	--	--	--	1
Females	--	--	--	1	--	--	--	--	--	--	--	2	--	3	5	7	2	3	5	"	1	--	--	1	--	--	1	--	--	--	--	--	--	--	--	--	--	--
Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	1	----	"	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	4	3	6	8	9	6	3	4	7	2	6	6	1	65	59	63	66	51	52	Suicide	----	--	--	5	5	10	4	7	5	6	8	1	3	7	1	--	1	2
Males	3	2	6	5	9	3	2	2	5	1	5	6	1	50	46	40	46	43	42	"	----	--	--	2	1	8	4	5	4	6	6	1	3	6	1	--	1	2
Females	1	1	--	3	--	3	1	2	2	1	1	--	--	15	13	23	20	11	10	"	----	--	--	3	4	2	--	2	1	--	2	--	--	1	--	--	--	--
Total	--	--	--	--	--	2	8	2	--	--	--	1	--	13	9	25	11	17	1	Sun-stroke	2	--	1	--	--	2	3	--	--	--	--	1	--	--	2	--	--	2
Males	--	--	--	--	--	1	7	2	--	--	--	1	--	11	9	23	7	15	1	" "	1	--	1	--	--	2	3	--	--	--	--	1	--	--	1	--	--	2
Females	--	--	--	--	--	1	1	--	--	--	--	-	--	2	----	2	4	2	----	" "	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	1	1	----	Surgical Operation	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	1	2	----	" "	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	---	----	----	1	----	Swallowed a Penny when a Boy	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	1	----	----	----	--	Syncope	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	1	3	1	1	3	--	--	--	2	1	--	1	--	13	10	2	7	6	7	Syphilis	9	--	--	--	--	--	1	--	1	--	--	--	1	1	--	--	--	--
Males	1	1	--	1	--	--	--	--	1	1	--	1	--	6	6	----	5	3	5	"	3	--	--	--	--	--	1	--	1	--	--	--	--	1	--	--	--	--

Females	--	2	1	--	8	--	--	--	1	--	--	--	--	7	4	2	1	2	2	Syphilis	6	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--
Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	"	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	Tape-worm	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	3	2	2	1	7	--	5	8	8	4	7	2	--	49	40	60	66	77	71	Teething	48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1
Males	--	1	2	1	5	--	1	6	3	2	3	--	--	24	26	38	39	39	37	"	23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1
Females	3	1	--	--	2	--	4	2	5	2	4	2	--	25	14	22	27	38	34	"	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	Temporal Bone, Inflam. of	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	1	--	1	--	--	2	4	5	3	1	--	Tetanus (Lock-jaw)	1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	3	1	--	" " "	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	Tetanus	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	1	--	"	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	Tetter	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	1	--	1	1	--	1	--	2	1	1	4	4	--	16	27	12	10	21	7	Throat Disease	11	--	--	1	--	--	--	--	1	--	--	--	--	1	2	--	--	--
Males	--	--	--	--	--	1	--	2	1	1	3	3	--	11	13	4	7	13	3	" "	8	--	--	1	--	--	--	--	1	--	--	--	--	1	--	--	--	--
Females	1	--	1	1	--	--	--	--	--	--	1	1	--	5	14	8	3	8	4	" "	3	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5	1	3	1	Throat, Inflam. of	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	3	2	1	2	" " "	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--
Males	--	--	--	--	--	--	--	1	--	--	--	--	--	1	1	1	1	--	--	Throat, Paral. of	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--
Total	1	1	--	--	--	--	--	1	--	--	--	--	--	3	7	2	2	16	6	Throat, Putrid Sore	2	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	1	--	--	--	--	--	--	--	--	--	--	--	--	1	5	2	1	7	4	" " "	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	1	--	--	--	--	--	1	--	--	--	--	--	2	2	--	1	9	2	" " "	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	Throat, Ulceration of	--	--	--	--	A	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	" " "	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	--	Thrombosis	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--
Total	--	--	--	1	2	--	--	--	--	1	1	--	--	5	6	3	7	5	11	Thrush	2	--	--	1	--	1	--	1	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	1	--	--	--	--	--	--	--	--	--	1	1	1	2	3	5	"	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	2	--	--	--	--	1	1	--	--	4	5	2	5	2	6	"	1	--	--	1	--	1	--	1	--	--	--	--	--	--	--	--	--	--

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1880.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Tonsilitis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	4	....	....	....	1	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Trichiniasis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Tubercles on Brain	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	1	1	..	2	....	....	....	....	....	" " "	....	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	....	....	....	....	Tubercles	....	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Total	..	..	1	1	..	1	..	3	..	..	1	..	..	7	....	....	....	2	4	Tumor in Abdomen	1	..	..	..	..	1	..	1	..	..	..	..	2	1	1	..	..	..
Males	..	..	..	1	..	..	..	1	..	..	..	..	..	2	....	....	....	1	1	" " "	....	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..
Females	..	..	1	..	..	1	..	2	..	..	1	..	..	5	....	....	....	1	3	" " "	1	..	..	..	..	..	..	1	..	..	..	..	2	1	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Tumor under Arm	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	1	....	....	Tumor on Back	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	2	2	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	1	1	....	....	Tumor in Bowels	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1	....	2	1	1	Tumor on Brain	....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	1	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Tumor of Breast	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	..	..	..	..	..	1	..	..	..	..	2	....	....	....	....	....	" " "	....	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	1	Tumor of Chest	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Tumor in Face	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Males																						1	Tumor, Fatty																	
Males	1													1									Tumor, Fibrous											1					
Males										1				1	2	1	1	1					Tumor on Head										1						
Females																2	1	1					" " "																
Males									1					1	1								Tumor of Heart	1															
Females									1					1									Tumor of Knee														1		
Females																1							Tumor on Leg																
Females															1								Tumor on Liver																
Females							1							1									Tumor on Left Lung													1		
Males																					1		Tumor on Lungs																
Females																			1				" " "																
Males									1	1	1			3					1				Tumor on Neck				1						2						
Females																2						2	" " "																
Males															1								Tumor, Operation for																
Females															2	2						1	" " "																
Males																					1		Tumor on Shoulder																
Total							1		1		1	1		4	3	1			3			2	Tumor in Side										2	1					1	
Males							1							1	2	1			1				" " "												1					
Females									1		1	1		3	1				2			2	" " "										2						1	
Females																						1	Tumor on Spine																	
Total		1	1		1		1	1	2	1	2			10	6	4	5	5				8	Tumor in Stomach					1	1		2	1	1		2		1	1		
Males		1					1	1	1	1	1			6	4	2	1	2				2	" " "								1	1	1		2			1		
Females			1		1				1		1			4	2	2	4	3				6	" " "					1	1		1						1			
Males								1			1			2	1	1						1	Tumor on Throat																2	
Females																1		1				1	" " "																	
Total	3	1	2	2	3	1	2	1	4	1	2	3		25	28	30	25	16				19	Tumor (Unspecified)	3				1	2	1		1	3	5	1	2	3	1	2		

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX	Months, 1880.													Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1880.																					
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1880.	1879.	1878.	1877.	1876.	1875.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over	Unknown.
Males	..	1	2	2	..	..	1	...	2	1	1	1	..	11	7	9	11	2	5	Tumor (Unspecified)	....	..	..	..	..	1	1	..	..	2	2	..	2	1	1	1	..	...
Females	3	..	..	...	3	1	1	1	2	...	1	2	..	14	21	21	14	14	14	" "	3	..	..	..	1	1	..	..	1	1	3	1	..	2	..	1	..	...
Females	..	3	..	...	..	1	...	...	1	1	1	1	..	8	2	5	8	4	3	Turn of Life	....	..	..	..	..	..	..	..	5	..	3	..	..	..	..	..	..	...
Males	..	..	1	...	..	..	...	...	...	...	...	...	..	1	....	....	....	1	....	Tympanitis	....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	...
Males	..	..	..	...	..	..	...	...	...	...	...	...	..	....	1	....	....	....	....	Ulcer on Back	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...
Females	..	..	..	1	..	..	...	...	...	...	...	...	..	1	....	....	....	....	....	Ulcer on Brain	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	...
Males	..	..	..	...	..	..	...	...	...	...	...	...	..	....	1	....	....	....	....	Ulcer on Leg	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...
Males	..	..	..	...	..	..	...	...	...	...	...	...	..	....	....	....	1	....	....	Ulcer on Neck	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...
Males	..	..	..	...	..	..	...	...	...	...	...	...	..	....	....	....	....	1	....	Ulcer on Penis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...
Males	..	..	..	...	..	..	...	...	...	...	...	...	..	....	....	....	1	....	....	Ulcer near Pylorus	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...
Males	..	..	..	...	..	..	...	...	...	1	...	...	..	1	....	....	....	....	....	Ulcer of Rectum	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	...
Males	..	..	..	...	..	..	...	...	...	...	...	...	..	....	....	1	....	....	....	Ulcers on Side	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...
Females	..	..	..	...	..	..	...	...	...	...	...	1	..	1	....	....	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	...
Males	..	..	..	...	..	..	...	...	...	...	...	...	..	....	1	....	....	....	....	Ulcer of Throat	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...
Total	1	..	..	...	1	1	2	...	1	...	...	1	..	7	4	5	5	8	5	Ulcers (Unspecified)	1	..	..	..	..	..	..	..	..	..	1	2	..	1	1	1	..	...
Males	1	..	..	...	..	1	2	...	1	...	...	...	..	5	2	4	4	7	4	" "	1	..	..	..	..	..	..	..	..	..	1	2	..	..	1	..	..	...
Females	..	..	..	...	1	..	...	...	...	...	...	1	..	2	2	1	1	1	1	" "	....	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	...
Total	73	99	94	117	98	91	135	159	165	131	115	149	13	1444	1309	1306	1393	1213	1388	Unknown	900	40	19	17	17	18	18	20	24	21	25	21	39	32	41	28	23	141
Males	36	59	48	68	57	44	77	75	89	69	65	78	11	775	736	708	745	659	729	"	501	24	6	9	7	11	5	6	11	11	11	8	21	15	25	19	11	71
Females	41	40	46	47	41	47	58	83	76	61	49	71	2	662	638	595	636	558	649	"	395	16	13	8	10	7	13	14	13	10	11	13	18	17	16	9	12	67
Unknown	1	1	..	2	..	..	...	1	...	1	1	...	..	7	5	3	12	16	10	"	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3

Males																1				1	Uræmia																					
Females																		2			"																					
Males																			1		Urinary Organs, Dis. of																					
Males																	1	1	1		Urine, Retention of																					
Females					1						1			2	1	1	2	1	2		Uterine Tumor											1	1								
Females								1						1				1	1		Uterus, Abscess of							1													
Females																			1		Uterus, Cauliflower Ex. of																					
Females			1							1				2	3	2	1		1		Uterus, Dis. of								1												1
Females											1			1							Uterus, Fibrous Tumor of												1								
Females			1	3	2			2		1		2		11	6	4	4	5	4		Uterus, Inflam. of				1	2		4	3	1										
Females																		1			Uterus, Rupture of																				
Females																	1	1	2		Uterus, Ulceration of																				
Total									1		1			2				4			Venereal Disease													1	1					
Males											1			1				2			" "														1						
Females									1					1				2			"													1						
Females															1		1				Vomiting																				
Males															1		1		1		White Swelling																				
Females							1							1			1				" "								1												
Total	4	12	21	16	12	16	39	53	30	29	21	11		264	162	132	131	181	101		Whooping-cough	252	11		1															
Males	3	8	10	5	8	5	17	21	12	15	10	5		119	77	64	61	89	43		" "	115	4																	
Females	1	4	11	11	4	11	22	32	18	14	11	6		145	85	68	70	92	58		" "	137	7		1															
Females															1						Wind-pipe, obstruct'n in																				
Males															3	8	3	3			Worms																				
Females	1					1			1	1				4	4	3	2	3	5		"	3		1																
Males			1								1			2				1	2		Wounds, Army								1	1										
Males															1	1	1	5	1		Wounds																			
Females															2						"																				

More deaths were returned as having occurred from causes compiled as casualty in 1880 than for any previous year. Many of those specified in Exhibit R are undoubtedly the result of carelessness, and might have been avoided. They are printed in the hopes of saving the lives of some who, having seen these causes of death, may thus be placed on their guard. As may be seen, accidental shooting caused the death of 24 persons during the year.

EXHIBIT R.—*Deaths in Michigan in 1880, Compiled as Casualty.*

CASUALTY,—CAUSES AS RETURNED.	Number.	CASUALTY,—CAUSES AS RETURNED.	Number.
Total number tabulated as Casualty in Table XVII	340	Accident on mill-saw	1
		Killed in paper-mill	1
Run over by a team	1	Cut by saw in planing-mill	1
Accident,—team ran away	5	Killed by railroad	2
Fall in mine	1	Killed by switching cars	1
Fall from wagon	4	Killed by railroad locomotive	3
Result of a fall	18	Killed by railroad bridge	1
Falling from chair	1	Accident in car-shop	1
Fell down stairs	1	Killed by a horse	3
Fell from building	2	Kick from a horse	13
Affection of brain caused by a fall	1	Killed by being thrown from a horse	1
Old age and fall—fracturing knee	1	Killed by falling building	1
Falling on a sharp stick	1	Killed by falling sapling	1
Fall from load of hay	1	Killed by falling limb	1
Accident—fell off steps	1	Killed by caving in of bank	1
Broke his neck from fall off load of wood	1	Iron door fell on him	1
Killed by a fall on schooner	1	Killed in lumber camp	2
Accidental falling down cellar	1	Killed on rollway	1
Fell in steam-box in basket-factory	1	Killed in lumber woods	2
Explosion in mine	1	Killed by log rolling on him	3
Bursting of cannon	1	Killed by a tree	5
Bursting of gun	1	Accident on log rollway	1
Bursting of balance-wheel on sawing-machine	1	Killed in mine	21
Saw-mill explosion	1	Killed by shooting	1
Boiler explosion	10	Accidental shooting	24
Explosion	1	Killed by a team	1
Run over by cars	4	Neck broken by upsetting sleigh	1
Run over by a roller	1	Thrown from carriage	1
Run over by a sleigh	1	Thrown from wagon	2
Run over by a wagon	4	Killed on dock	1
Run over	1	Killed by belting	1
Killed in saw-mill	8	Killed by a bull	1
Killed in mill	6	Killed	7

EXHIBIT R.—Continued.

CASUALTY,—CAUSES AS RETURNED.	Number.	CASUALTY,—CAUSES AS RETURNED.	Number.
Killed by an ax	1	Injury	2
Killed by machinery	3	Drinking lye	1
Accidental injuries	4	Over exertion in lifting sack of flour	1
Accidental and infirmity	1	Struck by a lever	1
Accidentally swallowed a button which lodged in windpipe	1	Injury before birth	1
Accident to bronchial tube	1	Injured by a cow	1
Accidental	109	Caving in of well	2
Broken neck	2	Internal injuries	1
Broken legs—cut off above the knee	1	Jumping and skipping the rope	1
Hurt by a cow, hip broken	1	Injuries from horse hay-fork	1
Choked with a bean	1	Suffocated from straw in throat	1
Lost by wreck of boat Alpena	3	Lost and died in a marsh	1
Cyclone	1	Steamboat collision	4
Eating glass	1	Killed by sharp pointed instrument	1

EXHIBIT 9.—*Certain facts concerning Persons Returned as having died by Suicide in Michigan during the Year 1880.*

Date of Death.		Age.	Condition.	Sex.	Color.	Occupation.	Nativity.	Means Used.
Month.	Day.							
January	12	82	S.	M.	W.	Unemployed	Connecticut	Shooting.
January	14	35	M.	M.	W.	Brewer	Germany	Shooting.
January	20	18	S.	F.	W.	Waiter	Michigan	Strychnine.
January	22	Unk.	W.	M.	W.	Not given	Europe	Not given.
February	7	64	M.	M	W.	Laborer	Germany	Not given.
February	11	18	S.	F.	W.	Not given	Pennsylvania	Not given.
February	15	46	M.	M.	W.	Sailor	England	Poison.
March	10	48	M.	M.	W.	Drayman	England	Hanging.
March	10	27	S.	M.	W.	Student	Texas	Not given.
March	14	17	S.	M.	W.	Laborer	Michigan	Not given.
March	15	42	M.	M.	W.	Farmer	New York	Not given.
March	19	33	M.	M.	W.	Farmer	New York	Not given.
March	29	40	W.	M.	W.	Farmer	Saxony	Not given.
April	1	36	S.	F.	W.	House-keeper	Michigan	Hanging.
April	4	28	S.	M.	W.	Not given	Michigan	Not given.
April	7	42	M.	M.	W.	Not given	England	Not given.
April	8	35	S.	M.	W.	Saloon-keeper	Michigan	Shooting.
April	8	74	M.	M.	W.	Farmer	Germany	Hanging.
April	11	22	S.	F.	W.	Not given	Indiana	Morphine.

EXHIBIT 9.—CONTINUED.—*Suicidal Deaths, 1880.*

Date of Death.		Age.	Condition.	Sex.	Color.	Occupation.	Nativity.	Means Used.
Month.	Day.							
April	13	69	W.	M.	W.	Laborer	Germany	Not given.
April	19	18	S.	F.	W.	Domestic	New York	Drowning.
May	1	26	M.	M.	W.	Farmer	Michigan	Shooting.
May	2	65	M.	M.	W.	Farmer	New York	Hanging.
May	2	15	S.	M.	W.	Laborer	New Jersey	Shooting.
May	2	66	M.	M.	W.	Farmer	New York	Not given.
May	10	42	M.	M.	W.	Sailor	Germany	Not given.
May	14	27	Unk.	M.	W.	Not given	New York	Drowning.
May	14	45	M.	M.	W.	Minister	Ohio	Shooting.
May	24	49	M.	M.	W.	Blacksmith	Germany	Not given.
May	Unk.	83	S.	M.	W.	Farmer	Michigan	Not given.
June	15	36	M.	M.	W.	Farmer	Canada	Not given.
June	15	65	M.	M.	W.	Cigar-maker	Germany	Not given.
June	20	50	M.	F.	W.	House-wife	Ohio	Hanging.
June	20	44	S.	F.	W.	House-keeper	New York	Not given.
June	25	45	M.	M.	W.	Not given	Canada	Drowning.
June	27	28	M.	F.	W.	Wife	Germany	Not given.
July	19	33	S.	M.	W.	Clerk	Not given	Not given.
July	20	22	S.	F.	W.	Prostitute	Not given	Poison.
July	26	Unk.	M.	M.	W.	Not given	Not given	Not given.
August	15	52	M.	M.	W.	Farmer	New York	Hanging.
August	23	69	W.	F.	W.	Not given	New Jersey	Hanging.
August	25	20	M.	F.	W.	Not given	Michigan	Poison.
August	27	32	S.	M.	W.	Farmer	Germany	Not given.
September	1	26	S.	M.	W.	Laborer	Ohio	Butcher-knife.
September	4	45	M.	M.	W.	Accountant	Holland	Not given.
September	10	58	M.	M.	W.	Laborer	New York	Not given.
September	11	52	M.	M.	W.	Farmer	New York	Not given.
September	19	22	S.	M.	W.	Farmer	Michigan	Not given.
September	19	23	M.	F.	W.	House-wife	Michigan	Not given.
September	20	52	M.	F.	W.	House-keeper	Germany	Cutting throat.
October	15	35	M.	F.	W.	Milliner	Canada	Not given.
October	31	37	Unk.	M.	W.	Not given	Germany	Not given.
November	10	69	M.	M.	W.	Laborer	Canada	Drowning.
November	13	29	S.	M.	W.	Clerk	Rhode Island	Shooting.
November	24	66	M.	M.	W.	Farmer	England	Hanging.
November	25	60	M.	M.	W.	Farmer	New York	Hanging.
November	25	25	M.	F.	W.	Unemployed	Germany	Not given.
November	29	51	M.	M.	W.	Farmer	Germany	Hanging.

EXHIBIT 9.—CONTINUED.—*Suicidal Deaths, 1880.*

Date of Death.		Age.	Condition.	Sex.	Color.	Occupation.	Nativity.	Means Used.
Month.	Day.							
December	24	50	M.	M.	W.	Farmer	Canada	Hanging.
December	24	60	Unk.	M.	W.	Not given	Not given	Cutting throat.
December	25	52	M.	M.	W.	Laborer	Michigan	Not given.
December	28	53	M.	M.	W.	Farmer	New York	Not given.
December	28	36	M.	M.	W.	Carpenter	Canada	Poison.
December	30	27	M.	M.	W.	Book-keeper	England	Not given.
Unk.	Unk.	27	S.	M.	W.	Farmer	Michigan	Not given.

Occupations.	No.	Occupations.	No.	Occupations.	No.
Accountant	1	Farmers	19	Student	1
Blacksmith	1	House-keepers	3	Unemployed	2
Book-keeper	1	House-wives	2	Unknown	12
Brewer	1	Laborers	8	Waiter	1
Carpenter	1	Milliner	1	Wife	1
Cigar-maker	1	Minister	1		
Clerks	2	Prostitute	1	Total	65
Domestic	1	Sailors	2		
Drayman	1	Saloon-keeper	1		

Nativity.	No.	Nativity.	No.	Nativity.	No.
Canada	6	Indiana	1	Rhode Island	1
Connecticut	1	Michigan	12	Saxony	1
England	5	New Jersey	2	Texas	1
Europe	1	New York	12	Unknown	4
Germany	13	Ohio	3		
Holland	1	Pennsylvania	1	Total	65

Means Used.	Number.		Means Used.	Number.		Means Used.	Number.	
	Males.	Females.		Males.	Females.		Males.	Females.
Butcher-knife	1	.....	Morphine	.....	1	Unknown	28	6
Cutting throat	1	1	Poison	2	2			
Drowning	3	1	Shooting	7	.....	Total	50	15
Hanging	8	3	Strichnine	.....	1			

In Table XVIII. are presented the fifteen principal causes of death in Michigan in 1880, arranged in order of their fatality, the greatest first. These principal causes of mortality accounted for over 58 per cent. of the deaths whose causes were reported in 1880. Consumption, as usual, is at the head of the list, having caused 11.36 per cent. of all the deaths returned for the year. Diphtheria, this year, as in the previous two years, is second in the list, attesting its continued fatality, and was quite generally distributed throughout the State. Pneumonia is third, and has always been a leading source of mortality in this State.

Exhibit T gives the order of succession of fifteen principal causes of death for each of the years 1873–1880, and permits of some interesting comparisons in regard to the standing of diseases in different years. Consumption heads the list in all the years, but the other causes of death are subject to changes from year to year. Note the sudden rise of diphtheria from sixteenth place in 1875 to tenth place in 1876, third place in 1877, and second place in 1878, 1879, and 1880.

TABLE XVIII.—*Order of Succession of Fifteen Principal Conditions and Causes of Death in Michigan in 1880, according to the Returns, Exhibiting for each Specified Condition and Cause, by Sex, the Number of Deaths, and the Per Cent. of Deaths from each Cause to Deaths from All Causes.*

Order.	Specified Causes and Conditions, 1880.	Number of Deaths.			Per Cent. from Each Cause to Deaths from All Causes.		
		Total.	Males.	Females.	Total.	Males.	Females.
1	Consumption	1,829	847	982	11.36	9.80	13.25
2	Diphtheria	1,542	744	798	9.58	8.61	10.77
3	Pneumonia	812	479	333	5.04	5.54	4.49
4	Still-births	[a] 738	403	301	4.58	4.66	4.06
5	Old Age	625	317	308	3.88	3.67	4.16
6	Fever, Typhoid	513	285	228	3.19	3.30	3.08
7	Cholera Infantum	[b] 499	286	211	3.10	3.31	2.85
8	Heart Disease	444	236	208	2.76	2.73	2.81
9	Apoplexy and Paralysis	389	209	180	2.42	2.42	2.43
10	Scarlet Fever	[c] 370	197	172	2.30	2.28	2.32
11	Convulsions and Fits	347	187	160	2.16	2.16	2.16
12	Casualty	340	303	37	2.11	3.50	.50
13	Diarrhea [d]	310	186	124	1.93	2.15	1.67
14	Brain, Inflammation of	[e] 300	176	123	1.86	2.04	1.66
15	Cancer	284	111	173	1.76	1.28	2.33
	Total	[e] 9,342	4,966	4,338	58.02	57.44	58.54
	All Causes	[f] 16,102	8,645	7,410	100.00	100.00	100.00

[a] Includes 34 unknown sex.
[b] Includes 2 unknown sex.
[c] Includes 1 unknown sex.
[d] Includes acute and chronic.
[e] Includes 38 unknown sex.
[f] Includes 47 unknown sex.

EXHIBIT T.—*Order of Succession of Fifteen Principal Causes of Death in Michigan for each of the Years 1875–80, inclusive.*

Order.	1875.		1876.		1877.		1878.		1879.		1880.	
1	Consumption	1,479	Consumption	1,590	Consumption	1,664	Consumption	1,641	Consumption	1,680	Consumption	1,829
2	Pneumonia	745	Still-born	616	Still-born	720	Diphtheria	887	Diphtheria	1,473	Diphtheria	1,542
3	Still-born	629	Pneumonia	627	Diphtheria	593	Still-born	793	Still-born	749	Pneumonia	812
4	Typhoid Fever	433	Old Age	483	Old Age	489	Old Age	579	Pneumonia	701	Still-born	738
5	Scarlet Fever	423	Typhoid Fever	426	Pneumonia	465	Pneumonia	402	Old Age	608	Old Age	625
6	Old Age	373	Scarlet Fever	399	Typhoid Fever	446	Scarlet Fever	429	Scarlet Fever	416	Typhoid Fever	513
7	Cholera Infantum	289	Apoplexy and Paral.	337	Scarlet Fever	404	Heart Disease	332	Heart Disease	414	Cholera Infantum	499
8	Heart Disease	289	Cholera Infantum	331	Cholera Infantum	370	Typhoid Fever	329	Typhoid Fever	397	Heart Disease	444
9	Diarrhea	283	Heart Disease	320	Heart Disease	367	Apoplexy and Paral.	328	Apoplexy and Paral.	358	Apoplexy and Paral.	389
10	Apoplexy and Paral.	259	Diphtheria	311	Apoplexy and Paral.	329	Convulsions and Fits	288	Cholera Infantum	300	Scarlet Fever	370
11	Convulsions and Fits	258	Diarrhea	304	Convulsions and Fits	298	Cancer	269	Convulsions and Fits	275	Convulsions and Fits	347
12	Brain, Infl. of	232	Brain, Infl. of	275	Brain, Infl. of	291	Dropsy	249	Cancer	272	Casualty	340
13	Bowels, Infl. of	218	Convulsions and Fits	275	Cancer	265	Cholera Infantum	248	Dropsy	260	Diarrhea	310
14	Casualty	215	Cancer	241	Diarrhea	265	Brain, Infl. of	225	Casualty	245	Brain, Infl. of	300
15	Dropsy	215	Bowels, Infl. of	239	Bowels, Infl. of	226	Bowels, Infl. of	214	Bowels, Infl. of	237	Cancer	284

TABLE XIX.—*Deaths from Ten Specified Causes Returned as having occurred in Michigan, during the Year 1880, Exhibiting the Number of each Sex, Total Number in each Month, and at different Periods of Age.*

SEX, MONTHS, AND AGES.		Causes of Death,—1880.									
		Cancer.	Cephalitis.	Croup.[a]	Diarrhea.[b]	Diphtheria.	Dysentery.[c]	Measles.	Scarlet Fever.	Typhoid Fever.	Whooping Cough.
Sex.	Total	284	300	322	310	1,542	160	125	370	513	264
	Males	111	176	183	186	744	87	58	197	285	119
	Females	173	123	139	124	798	73	67	172	228	145
	Unknown	.....	1	.....	.....	.....	.....	.....	1	.....	.....
Months.	January	12	19	34	5	99	.....	5	25	22	4
	February	16	18	30	6	74	1	7	22	13	12
	March	16	24	21	6	99	5	7	30	22	21
	April	20	16	20	3	116	2	22	42	28	16
	May	32	21	15	9	71	5	12	35	20	12
	June	17	25	19	23	82	12	12	23	19	16
	July	30	38	16	86	117	34	7	20	35	39
	August	35	33	15	90	134	38	10	34	73	53
	September	31	36	22	49	161	37	12	21	92	30
	October	26	27	37	17	186	14	12	28	87	29
	November	27	16	48	9	198	6	9	46	58	21
	December	21	27	45	7	200	6	10	43	44	11
	Unknown	1	.....	.....	.....	5	.....	.....	1	.....	.....
	Av. Month...[d]	24	25	27	26	128	13	10	31	43	22
Ages.	Under 5	10	202	264	273	663	124	90	235	47	252
	5 to 10	1	33	53	5	542	3	19	97	28	11
	10 to 15	1	7	3	2	238	1	3	24	39	.....
	15 to 20	3	9	.....	1	55	.....	5	5	73	1
	20 to 25	2	6	.....	.....	21	1	3	2	74	.....
	25 to 30	6	6	1	3	4	.....	.....	1	57	.....
	30 to 35	7	7	1	.....	.....	2	.....	1	22	.....
	35 to 40	16	8	.....	3	1	1	1	.....	27	.....
	40 to 45	23	4	.....	1	4	.....	.....	.....	22	.....
	45 to 50	37	2	.....	.....	1	1	3	1	24	.....
	50 to 55	29	3	.....	2	.....	1	.....	.....	14	.....
	55 to 60	33	1	.....	2	2	1	.....	.....	18	.....
	60 to 65	38	3	.....	4	1	3	1	.....	17	.....
	65 to 70	29	6	.....	1	.....	8	.....	.....	15	.....
	70 to 75	23	1	.....	5	1	6	.....	.....	12	.....
	75 to 80	17	1	.....	2	.....	1	.....	1	9	.....
	80 and over	8	.....	.....	3	.....	7	.....	.....	2	.....
	Unknown	3	1	.....	3	9	.....	.....	3	13	.....

[a] Includes 65 Membranous Croup, and 1 Spasmodic Croup. [b] Includes 14 Chronic. [c] Includes 3 Chronic. [d] Excluding unknown month.

TABLE XX.—*Per Cent. of Deaths returned as having occurred in Michigan during the Year ending December 31, 1880, from each of Ten Specified Causes to Deaths from All Causes; and Per Cent. of each Sex, of Deaths in each Month, and at different Periods of Life to Total Deaths from each Specified Cause.*

SEX, MONTHS, AND AGES.	CAUSES OF DEATH,—1880. PER CENT. OF TOTAL.									
	Cancer.	Cephalitis.	Croup.	Diarrhea.	Diphtheria.	Dysentery.	Measles.	Scarlet Fever.	Typhoid Fever.	Whooping Cough.
Per Ct. of All Causes	1.76	1.86	2.00	1.93	9.58	.99	.78	2.30	3.19	1.64
SEX. Males	39.08	58.67	56.83	60.00	48.25	54.38	46.40	53.24	55.56	45.08
SEX. Females	60.92	41.00	43.17	40.00	51.75	45.62	53.60	46.49	44.44	54.92
SEX. Unknown	.....	.33	.....	.....	.....	.....	.....	.27	.....	.....
MONTHS. January	4.23	6.33	10.56	1.61	6.42	.....	4.00	6.76	4.29	1.52
MONTHS. February	5.63	6.00	9.32	1.94	4.80	.63	5.60	5.95	2.53	4.55
MONTHS. March	5.63	8.00	6.52	1.94	6.42	3.13	5.60	8.11	4.29	7.95
MONTHS. April	7.04	5.33	6.21	.97	7.52	1.25	17.60	11.35	5.46	6.06
MONTHS. May	11.27	7.00	4.66	2.90	4.60	3.13	9.60	9.46	3.90	4.55
MONTHS. June	5.99	8.33	5.90	7.42	5.32	7.50	9.60	6.22	3.70	6.06
MONTHS. July	10.56	12.67	4.97	27.74	7.59	21.25	5.60	5.41	6.82	14.77
MONTHS. August	12.32	11.00	4.66	29.03	8.69	23.75	8.00	9.19	14.23	20.08
MONTHS. September	10.92	12.00	6.83	15.81	10.44	23.13	9.60	5.68	17.93	11.36
MONTHS. October	9.15	9.00	11.49	5.48	12.06	8.75	9.60	7.57	16.96	10.98
MONTHS. November	9.51	5.33	14.91	2.90	12.84	3.75	7.20	12.43	11.31	7.95
MONTHS. December	7.39	9.00	13.98	2.26	12.97	3.75	8.00	11.62	8.58	4.17
MONTHS. Unknown	.35	.....	.....	.....	.32	.....	.....	.27	.....	.....
MONTHS. Av. Month[a]	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
AGES. Under 5	3.52	67.33	81.99	88.06	43.00	77.50	72.00	63.51	9.16	95.45
AGES. 5 to 10	.35	11.00	16.46	1.61	35.15	1.88	15.20	26.22	5.46	4.17
AGES. 10 to 15	.35	2.33	.93	.65	15.43	.62	2.40	6.49	7.60	.....
AGES. 15 to 20	1.06	3.00	.....	.32	3.57	.....	4.00	1.35	14.23	.38
AGES. 20 to 25	.70	2.00	.....	.....	1.36	.62	2.40	.54	14.42	.....
AGES. 25 to 30	2.11	2.00	.31	.97	.26	.....	.....	.27	11.11	.....
AGES. 30 to 35	2.46	2.33	.31	.....	.....	1.25	.....	.27	4.29	.....
AGES. 35 to 40	5.63	2.67	.....	.97	.06	.62	.80	.....	5.26	.....
AGES. 40 to 45	8.10	1.33	.....	.32	.26	.....	.....	.....	4.29	.....
AGES. 45 to 50	13.03	.67	.....	.....	.06	.62	2.40	.27	4.68	.....
AGES. 50 to 55	10.21	1.00	.....	.65	.....	.63	.....	.....	2.73	.....
AGES. 55 to 60	11.62	.33	.....	.65	.13	.63	.....	.....	3.51	.....
AGES. 60 to 65	12.68	1.00	.....	1.29	.06	1.88	.80	.....	3.29	.....
AGES. 65 to 70	10.21	2.00	.....	.32	.....	5.00	.....	.....	2.92	.....
AGES. 70 to 75	8.10	.33	.....	1.61	.06	3.75	.....	.....	2.34	.....
AGES. 75 to 80	5.99	.33	.....	.65	.....	.63	.....	.27	1.75	.....
AGES. 80 and over	2.82	.....	.....	.97	.....	4.38	.....	.....	.39	.....
AGES. Unknown	1.06	.33	.....	.97	.58	.....	.....	.81	2.53	.....

[a] Excluding deaths in unknown month.

In Tables XIX. and XX. are given the numbers and per cents of deaths from each of ten specified causes in each month and period of age for the year 1880; and show the prevalence of these diseases at different seasons of the year and at different periods of life. Thus, of deaths from diphtheria and croup, the largest numbers were in the months of October, November, and December; while the ages of the decedents were almost entirely those of children under fifteen years. The deaths from diarrhea and dysentery were of course chiefly in the summer months of the year, while the deaths from typhoid fever were largely in August, September, and October. These diseases are again studied farther on in this Report in connection with meteorological conditions.

Cancer.—This terrible disease caused 284 deaths in Michigan in 1880; 272 deaths in 1879; 269, in 1878; 265, in 1877; 241, in 1876; 202, in 1875; 188, in 1874; 171, in 1873; 130, in 1872; and 105 deaths in 1871. This shows a constant increase in the mortality from this disease in the ten years 1871–1880. Of the deaths reported from cancer in 1880, over 60 per cent. were females, and in every year there has been an excess of that sex. The deaths were most numerous in the months of July, August, and September, and between the ages of forty and seventy. The location of the disease was not stated in 123 cases of the 284, which is a fact much to be regretted. As shown by Exhibit S, the part of the body affected was stated in 161 cases, and cancer of the stomach and breast was most frequent.

EXHIBIT S.—*Deaths from Cancer Returned as having occurred in Michigan during the Year 1880, indicating part of body affected.*

As Returned.	Total.	Males.	Females.	As Returned.	Total.	Males.	Females.
Cancer of Womb	22	.....	22	Cancer on Lip	1	1	.....
Cancer of Stomach	59	36	23	Cancer of Pancreas	1	1	.....
Cancer in Neck	1	1	.....	Surgical Operation for Cancer	1	.....	1
Cancer in Breast	29	1	28	Cancer of Knee	1	1	.....
Cancerous Tumor, left side	1	.....	1	Cancer of Throat	3	3	.....
Cancer of the Chin	1	1	.....	Cancer of Knee-Joint and Amputation	1	.....	1
"Spider" Cancer	1	.....	1	Cancer of Fore Arm	1	.....	1
Internal Cancer	2	1	1	Cancer of Kidneys	1	1	.....
Cancer of Mouth	3	2	1	Cancer of Spine	1	.....	1
Cancer of Bowels	10	4	6				
Cancer of Face	6	3	3	Total Specified	161	64	97
Cancer of Liver	9	5	4	Cancer (Unspecified)	123	47	76
Cancer on the Tongue	4	2	2				
Cancer in Chest	1	.....	1	Aggregate	284	111	173
Cancer in Groin	1	1	.....				

An examination of Exhibit Z will give the reader some idea of the indefinite expressions and generalities which are made to take the place of specific causes of death. Although it is not surprising that these inaccuracies should exist in the returns, when it is remembered that the information is derived from varied sources, still, it is hoped that these various names returned will soon give place to more exact terms.

EXHIBIT Z.—*Deaths in Michigan in 1880, Compiled as Unknown.*

CAUSES AS RETURNED.	Males.	Females.	Unknown.	CAUSES AS RETURNED.	Males.	Females.	Unknown.
Total number compiled Unknown in Table XVII	775	662	7	Found dead	------	1	------
				Inflammatory dirutoris	1	------	------
A distemper	1	------	------	Lingering sickness	------	1	------
Assecess	------	1	------	Malpractice	1	1	------
Belching	1	------	------	Miners' decline	1	------	------
Canker of brain	1	------	------	No disease	------	1	------
Complicated disease	------	1	------	Neura	1	------	------
Complication	------	2	------	Operation	------	1	------
Complication of diseases	2	------	------	Organic change	------	1	------
Congestion	14	7	------	Painters' consumption	1	------	------
Consumption of nerves	1	------	------	Parenatis	------	1	------
Dastritis	1	------	------	Pearlatus	------	1	------
Dissipation	1	------	------	Premature death	------	1	------
Dropped dead in the road	1	------	------	Sileritis	------	1	------
Enlargement of glands—being scattered by medicine	------	1	------	Sores	------	1	------
Eruption	1	------	------	Stagnation of blood	1	------	------
Exhaustion	4	5	------	Supposed to be caused by an assault	1	------	------
Female trouble	------	1	------	Suppression of menses	------	1	------
Female weakness	------	1	------	Unknown	740	631	7

Cephalitis.—According to the returns there were 300 deaths from this disease in 1880, of which 176 were males, 123 were females, and in one case the sex was not stated. The number of deaths from cephalitis for each of the years 1869–1880, the greatest first, is: in 1873, 333; in 1872, 330; in 1880, 300; in 1877, 291; in 1876, 275; in 1874, 261; in 1870, 233; in 1875, 232; in 1869, 226; in 1878, 225; in 1879, 222; and in 1871, 216. From this, it appears that the largest number of deaths was in the year 1873, and the smallest number was in 1871. In 1880, the largest number died in July, and over 67 per cent. of all the deaths from this disease were of children under five years of age.

Measles.—This disease was less prevalent and fatal in 1880 than in 1879, there being 42 more deaths in the latter year than in the former. It seems to be a disease of spring and early summer, and most fatal with children under ten years of age. Of the 125 deaths recorded in 1880, 36.80 per cent. of them were in the months of April, May, and June, and 87.20 per cent. were under ten years of age.

Whooping-Cough.—The returns for 1880 show a decided increase in the mortality from this disease of infants and children; there were 264 deaths, against 162 in 1879. The average annual mortality for the ten years 1871–1880 is 159, which shows the year 1880 to be much more than an average one, as regards deaths from whooping-cough. The largest per cent. occurred in August, and 95.45 per cent. were under five years of age. There has been an excess of females for every year except 1872 and 1873.

METEOROLOGICAL CONDITIONS, AND THEIR RELATIONS TO DEATHS.

The following tables and diagrams, showing the principal meteorological conditions as observed at the office of the State Board of Health, in Lansing, and at the State Agricultural College, are here introduced for the purpose of comparing these tables with those of deaths from many of the most important diseases. The months in these tables are arranged in order, those in which the most deaths occurred being placed first, and the other months following in the order of their mortality. The meteorological data are printed in the tables in connection with the statements relative to deaths from the different diseases, so that reference may easily be made from one to the other in the study of any particular disease.

The variations of the temperature from month to month during the year 1880 and a number of preceding years may be seen in Exhibit 10 and Diagram No. 6. From the diagram it is seen that in January, 1880, the temperature was much higher than the average for ten years or any preceding year.

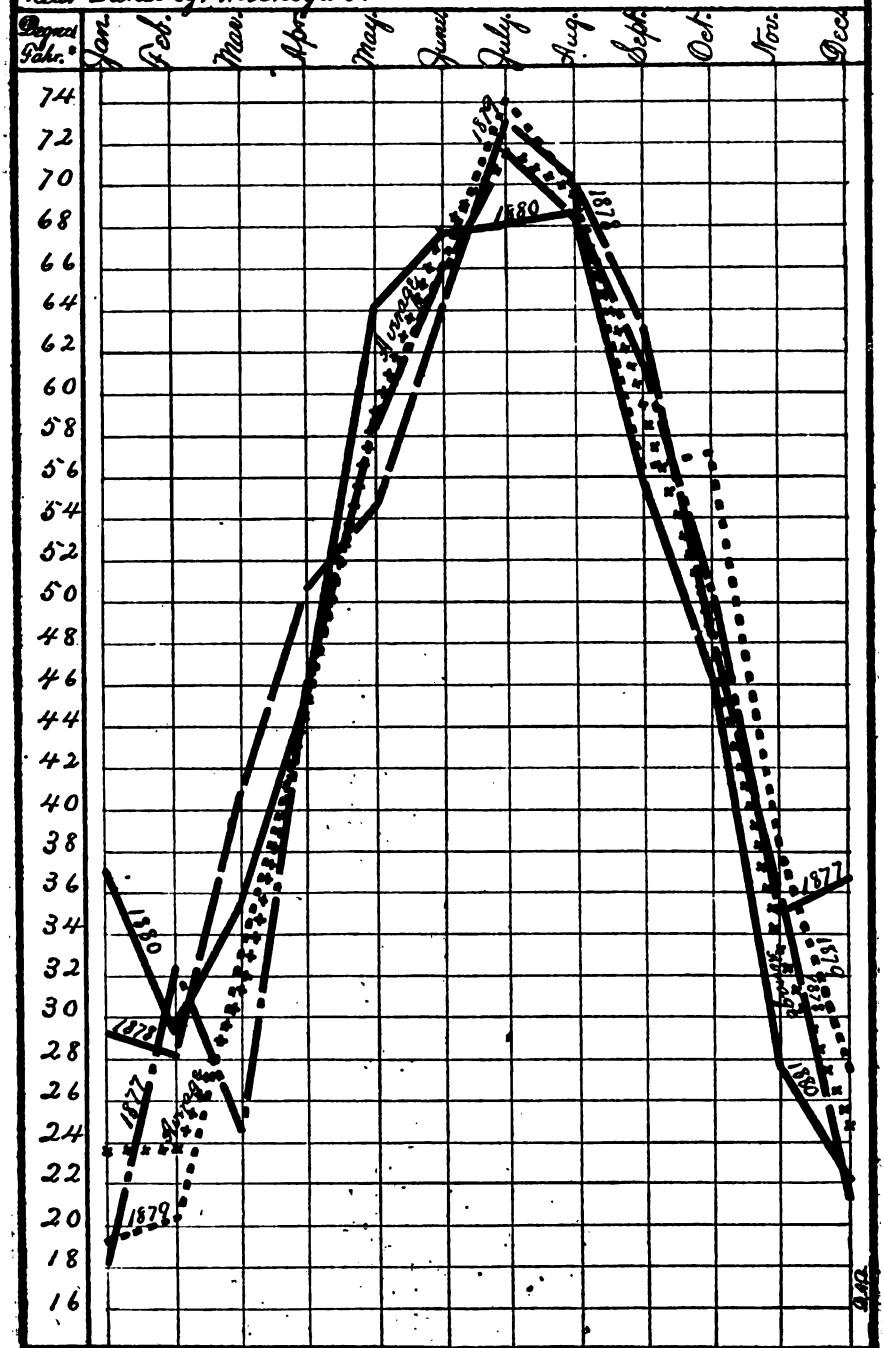
EXHIBIT 10.—TEMPERATURE.—*Average by Years and by Months, for the Years 1871 to 1880 inclusive, at the Agricultural College, near Lansing, Michigan, and near the center of the thickly-settled part of the State.* (*Results of Observations by Prof. R. C. Kedzie.*)

YEARS.	ANNUAL AVERAGE.	AVERAGE TEMPERATURE, STATED IN DEGREES FAHRENHEIT, BY MONTHS.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1871	47.93	24.75	25.65	38.18	50.13	61.39	68.21	70.60	71.19	58.10	53.91	31.95	21.12
1872	45.54	21.59	21.34	24.75	47.39	58.48	71.82	74.91	71.22	62.03	47.44	29.80	15.74
1873	44.54	15.87	19.10	28.30	43.17	56.98	70.60	70.82	69.49	57.38	44.68	28.49	29.54
1874	47.32	27.70	25.51	32.30	36.87	59.58	70.61	72.02	69.39	62.85	49.10	35.00	26.96
1875	43.09	12.87	8.35	26.20	41.11	60.82	66.57	69.67	65.48	58.50	42.93	32.96	31.58
1876	46.17	30.22	27.38	30.55	44.16	57.95	68.14	72.48	71.55	56.30	43.74	36.33	15.23
1877	47.42	18.07	32.31	24.51	46.16	58.25	65.93	71.43	68.46	61.28	50.83	35.24	36.57
1878	48.29	29.11	28.07	40.90	50.55	54.57	64.08	73.04	70.15	63.15	48.33	36.29	21.29
1879	46.88	19.19	20.40	33.19	44.84	58.76	66.02	74.03	70.00	56.21	57.28	38.22	27.46
1880	47.28	37.10	29.19	35.50	45.87	64.30	67.60	68.04	68.58	55.83	46.23	27.52	22.07
Av. for 10 Years[a]	46.45	23.65	23.73	31.44	45.03	59.11	67.96	71.70	69.55	59.16	48.45	33.18	24.76
1880[b]	49.25	37.10	31.60	34.34	47.50	66.03	69.79	72.27	70.70	61.71	48.99	29.17	21.80

[a] Average for 10 years ending with 1880.
[b] From observations at the office of the State Board of Health, Lansing, Michigan.

Diagram No. 6.

Average Temperature, by months, for the Years 1877, 1878, 1879, and 1880, and the Average for 10 Years ending with 1880, at the Agricultural College near Lansing, Michigan.



Scale = 9/16 to the inch.

Designed by Henry A. Baker

TABLE XXXI.—TEMPERATURE.—*Exhibiting the Mean Temperature, the Highest and Lowest Temperature, the Monthly Range, the Mean Daily Range, the Mean Range from Day to Day, and the Greatest Rise or Fall of Thermometer in 24 hours and in 14 hours, for each Month of the Year 1880, at the office of the State Board of Health, Lansing, Michigan.*

YEAR AND MONTHS, 1880.	TEMPERATURE.—FAHRENHEIT, 1880.													
	Average of 3 Daily Observations,—7 A. M., 2 P. M., and 9 P. M.	REGISTERING THERMOMETER.			AVERAGE RANGE.		GREATEST CHANGE IN 24 HOURS,—2 P. M. TO 2 P. M.			GREATEST CHANGE IN 14 HOURS,—7 A. M. TO 9 P. M.			REGISTERING THERMOMETER,—GREATEST CHANGE IN 24 HOURS.	
		Highest.	Lowest.	Range.	Daily,—7 A. M. to 9 P. M.	From Day to Day,—2 P. M. to 2 P. M.		Degrees of Rise and Fall.	Day of Month.		Degrees of Rise and Fall.	Day of Month.	Degrees of Change.	Day of Month.
Year 1880..	49.25	93	-18	111	12.50	15.28	F.	33	Feb. 29	R.	28	Sept. 23	55	Apr. 10
January ..	37.10	62	9	53	11.58	15.13	F.	29	28	F.	27	11	35	11
February .	31.60	64	3	61	11.86	16.21	F.	33	29	R.	25	26	35	8
March.....	34.34	60	8	52	13.55	15.29	F.	31	8	R.	25	30, 31	34	7
April.....	47.50	78	23	55	13.13	16.70	F.	27	10, 15	R.	23	9, 13	55	10
May.....	66.03	89	39	50	14.74	16.97	F.	26	13	R.	24	15	30	14
June	69.79	92	46	46	12.63	14.83	F.	23	1	R.	21	16	26	16
July.....	72.27	93	52	41	15.10	16.42	F.	22	27	F.	21	13	26	15
August ...	70.70	93	49	44	13.84	16.81	R.	27	22	R.	27	22	29	22
September	61.71	90	34	56	14.53	17.17	R.	28	23	R.	28	23	31	6
October...	48.99	81	27	54	14.61	17.26	F.	31	16	R.	27	8	33	20
November	29.17	67	-3	70	9.87	12.53	R.	27	26	R.	27	26	30	26
December.	21.80	48	-18	66	6.58	8.06	F.	27	5	F.	27	5	33	5

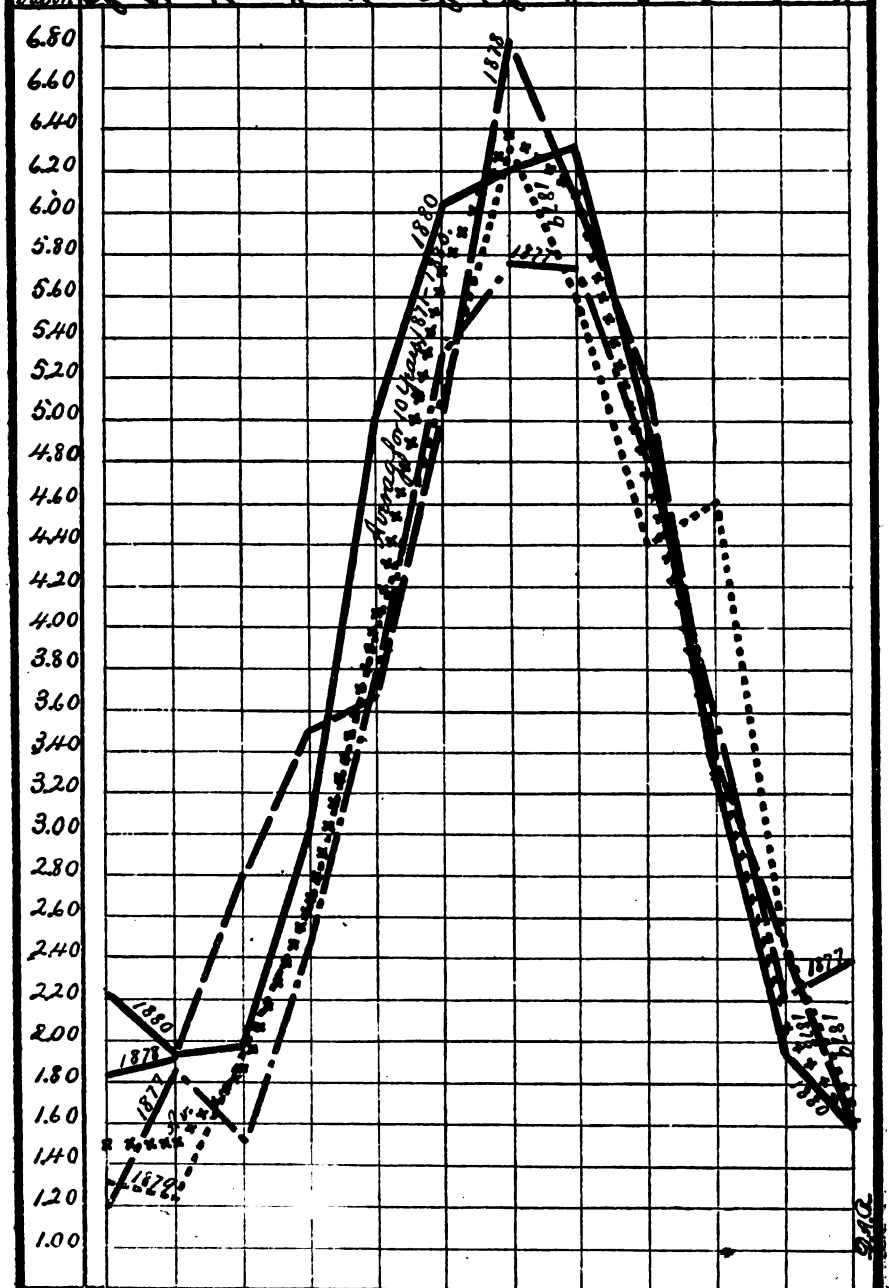
EXHIBIT 11.—ABSOLUTE HUMIDITY.—*Grains of Vapor in a Cubic Foot of Air, by Months, for the Years 1871 to 1880, inclusive, at the Agricultural College, near Lansing, Michigan.*

YEARS.	ANNUAL AVERAGE.	GRAINS OF VAPOR IN CUBIC FOOT OF AIR, BY MONTHS.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1871.....	3.56	1.63	1.58	2.28	3.00	4.53	5.77	6.35	6.43	4.41	3.48	1.89	1.32
1872.....	3.70	1.31	1.23	1.32	2.99	4.29	6.78	7.33	7.15	5.57	3.40	1.89	1.13
1873.....	3.36	1.14	1.43	1.52	2.71	4.00	5.85	6.45	6.29	4.50	2.92	1.73	1.82
1874.....	3.36	1.58	1.55	2.00	2.08	3.77	6.07	6.00	5.75	4.72	3.15	2.06	1.55
1875.....	3.11	0.92	0.73	1.63	2.12	3.74	5.17	5.91	5.22	4.38	2.57	1.84	2.05
1876	3.40	1.88	1.57	1.78	2.26	3.93	5.95	6.76	6.31	4.43	2.56	2.26	1.09
1877.....	3.45	1.19	1.85	1.53	2.47	3.79	5.32	5.76	5.74	4.82	3.59	2.22	2.39
1878.....	3.69	1.82	1.91	2.80	3.51	3.68	5.05	6.83	6.06	5.18	3.38	2.44	1.63
1879.....	3.43	1.31	1.23	1.93	2.64	3.94	5.09	6.30	5.58	4.40	4.61	2.46	1.70
1880.....	3.71	2.22	1.92	1.97	3.02	5.02	6.03	6.20	6.32	4.98	3.31	1.93	1.59
Av. for 10 y'rs.[a]	3.48	1.50	1.50	1.88	2.68	4.07	5.71	6.39	6.09	4.74	3.30	2 07	1.63
1880.....[b]	3.49	2.22	1.74	1.75	2.76	4.76	5.60	6.12	6.06	4.72	3.16	1.67	1.30

[a] Average for 10 years ending with 1880.
[b] From observations at the office of the State Board of Health, Lansing, Michigan.

Diagram No. 7.

Humidity of Atmosphere (Grains of Vapor in Cubic Foot of Air), by months, for the years 1877, 1878, 1879, and 1880, and the Average for 10 Years ending with 1880, at the Agricultural College, near Lansing, Michigan.

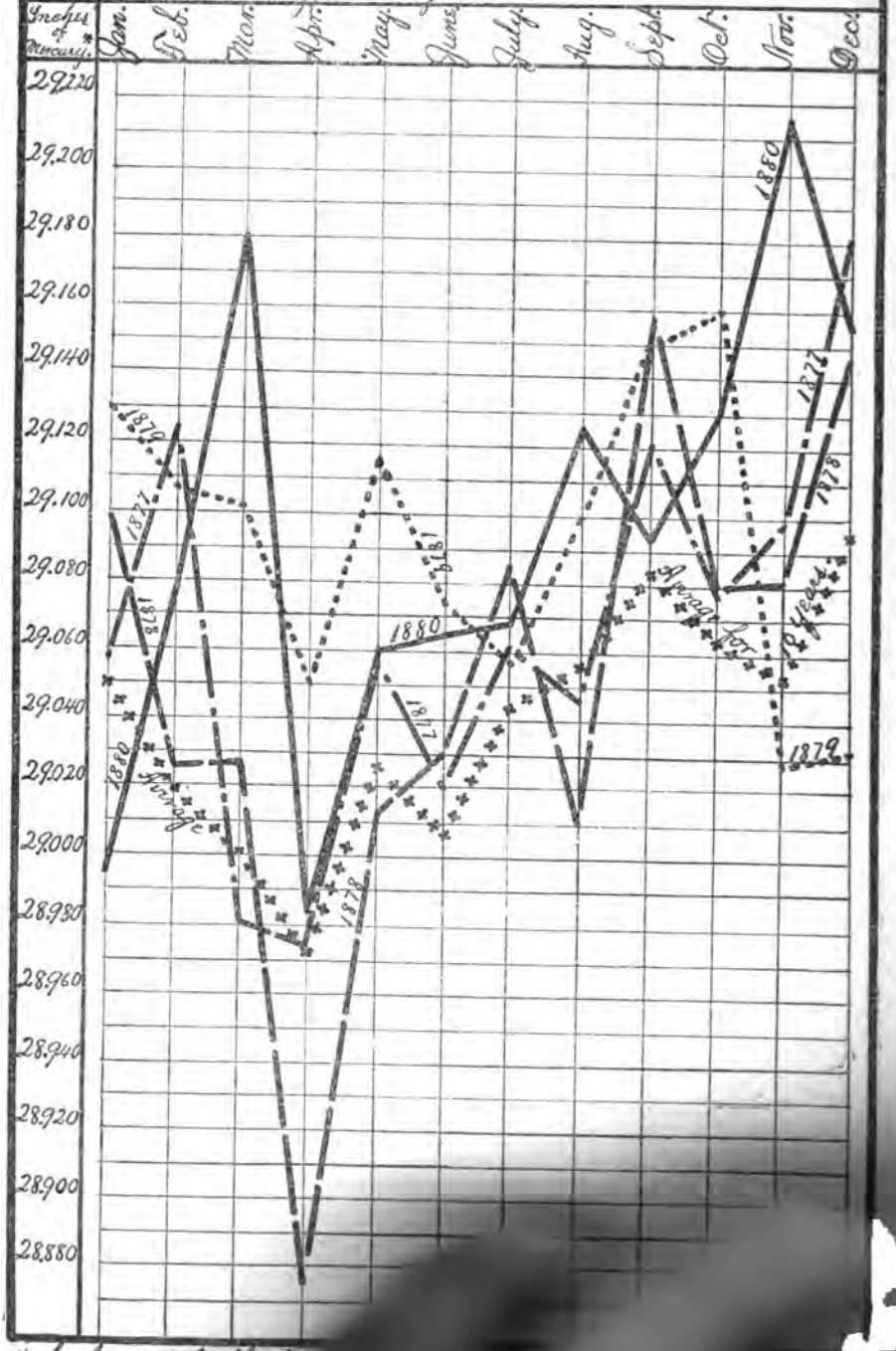


* Scale = 0.93 to the inch.

Designed by Henry A. Baker.

Diagram No. 8.

Atmospheric Pressure, by months, for the Years 1877, 1878, 1879, and 1880, and the Average for 10 Years ending with 1880, at the Agricultural College, near Lansing, Michigan.



Scale = .055 to the inch

Exhibit 11 and Diagram No. 7, pages 258–9, afford an opportunity of studying the absolute humidity for the several years and the average for ten years.

EXHIBIT 12.—PRESSURE OF THE ATMOSPHERE.—*Observations of Barometer reduced to freezing point, and corrected for instrumental error (+.12) previous to 1875, for each of the years 1871 to 1880, inclusive, and the Average for 10 years ending with 1880, at the Agricultural College, near Lansing, Michigan. (Based upon Observations made by Prof. R. C. Kedzie.)*

YEARS.	ANNUAL AVERAGE.	PRESSURE OF THE ATMOSPHERE, STATED IN INCHES OF MERCURIAL COLUMN, BY MONTHS.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1871..	28.988	29.023	28.936	28.930	28.842	29.024	28.985	29.011	29.027	29.158	29.029	29.084	29.000
1872..	29.007	28.958	28.962	29.031	28.972	28.988	28.999	29.044	29.087	29.010	29.099	29.001	29.112
1873..	28.994	28.993	28.967	28.972	28.918	28.946	28.960	29.034	29.047	29.048	29.037	28.953	29.049
1874..	29.055	29.168	29.048	29.015	29.061	28.984	28.998	29.027	29.044	29.066	29.073	29.057	29.121
1875..	28.998	29.005	28.875	28.844	29.047	29.061	29.029	29.044	29.025	29.031	29.016	29.054	28.955
1876..	29.010	29.073	29.063	28.929	29.000	29.009	28.911	29.009	29.048	28.995	28.929	28.953	29.203
1877..	29.066	29.057	29.124	28.981	28.974	29.056	29.020	29.062	29.046	29.121	29.077	29.099	29.180
1878..	29.053	29.099	29.026	29.027	28.875	29.013	29.030	29.085	29.010	29.157	29.080	29.081	29.147
1879..	29.080	29.130	29.107	29.102	29.050	29.116	29.073	29.057	29.100	29.152	29.160	29.027	29.032
1880..	29.096	28.995	29.077	29.181	28.984	29.061	29.065	29.068	29.126	29.093	29.130	29.215	29.155
Av..[a]	29.035	29.050	29.019	29.001	28.972	29.026	29.007	29.044	29.056	29.083	29.063	29.052	29.095
1880..[b]	29.016	28.998	28.973	29.042	28.916	29.002	28.983	28.996	29.052	29.058	29.043	29.113	29.011

[a] Average for 10 years ending with 1880.
[b] From observations at the office of the State Board of Health, Lansing, Michigan.

The last five lines in Exhibit 12 are represented in diagram No. 8. The line, showing the atmospheric pressure by months for the year 1880, reaches its highest points in the months of March and November, and the lowest in the month of April. The line for 1880 is much higher than the average for ten years at all points except the month of January.

TABLE XXX.—*Exhibiting, for the Year, for each Month, and an Average Month, during the Year 1880, the Mean Height and Range of Barometer, the Direction of the Prevailing Winds, the Relative Humidity, the Per Cent. of Cloudiness; the Number of Days on which it Rained or Snowed, and the Depth of Rain and Melted Snow, in Inches, at the Office of the State Board of Health, Lansing, Michigan.*

YEAR AND MONTHS, 1880.	Barometer, Reduced to 32° Fahrenheit,—Average.	Range of Barometer.	Days of Prevailing Winds, 1880.									Relative Humidity, or Per Cent. of Saturation,—Av.	Per Cent. of Cloudiness of Sky,—Average.	Number of Days on which it Rained or Snowed.	Rain and Melted Snow, in Inches.	Ozone—Relative Maximum = 10.	
			Calm.	North.	North-east.	East.	South-east.	South.	South-west.	West.	North-west.					Day,—7 A. M. to 9 P. M.	Night,—9 P. M. to 7 A. M.
Year, 1880.	29.016	1.514	36	37	107	38	135	93	287	273	92	68	54	151	49.54	3.70	4.14
January	28.998	1.174	0	2	6	4	22	15	21	14	9	75	63	11	2.67	2.90	3.16
February	28.973	1.253	0	4	3	0	13	9	25	21	12	58	59	11	1.85	4.38	4.97
March	29.042	1.422	0	6	10	4	22	6	9	26	10	63	56	10	2.00	3.42	3.81
April	28.916	.954	0	2	11	2	10	2	26	20	17	59	51	13	7.06	4.28	4.93
May	29.002	.922	1	0	11	6	2	9	33	22	9	60	44	12	6.81	3.81	4.32
June	28.983	.916	8	0	7	2	10	4	26	32	1	67	49	14	6.96	3.53	3.87
July	28.996	.549	2	3	12	3	7	6	21	33	6	69	42	16	6.00	3.39	3.61
August	29.052	.644	10	4	24	8	9	3	26	7	2	72	47	13	6.02	2.90	2.87
September	29.058	.643	6	4	5	1	8	15	19	27	5	69	47	10	4.13	3.73	3.69
October	29.043	1.022	3	4	5	2	12	15	24	14	14	69	50	12	2.84	3.19	3.71
November	29.113	1.014	2	0	4	2	16	5	32	26	3	72	64	15	2.38	4.33	5.60
December	29.011	1.370	4	8	0	4	4	4	25	31	4	78	80	14	.66	4.55	5.26
Monthly Av.	29.016	.990	3.00	3.08	8.92	3.17	11.25	7.75	23.92	22.75	7.67	68	54	12.58	4.12	3.70	4.14

Some Meteorological conditions at Certain Localities in Michigan, by Months, during the Year 1880.

	Alpena, Mich.				Detroit, Mich.				Grand Haven, Mich.				Marquette, Mich.			
	Average Barometer.	Average Temperature,—Fahr.	Total Rainfall, in Inches	Prevailing Winds.	Average Barometer.	Average Temperature,—Fahr.	Total Rainfall, in Inches.	Prevailing Winds.	Average Barometer.	Average Temperature,—Fahr.	Total Rainfall, in Inches.	Prevailing Winds.	Average Barometer.	Average Temperature,—Fahr.	Total Rainfall, in Inches.	Prevailing Winds.
.....	29.336	42.73	43.64	W.	29.350	48.70	47.95	S. W.	29.346	47.73	44.66	W.	29.245	41.98	33.50	N. W.
January.....	29.336	29.20	2.84	N. W.	29.343	37.00	2.81	S. W.	29.330	37.30	2.64	S.	29.213	28.50	2.94	N. W.
February.....	29.297	22.60	1.85	W.	29.311	32.30	1.49	S. W.	29.312	22.20	2.06	W.	29.202	21.50	1.07	N. W.
March.....	29.435	25.30	2.31	W.	29.385	33.23	2.74	S. W.	29.386	34.30	1.92	W.	29.334	25 40	1.00	N. W.
April.....	29.241	38.30	3.44	W.	29.286	46.07	6.15	S. W.	29.254	44.90	6.48	S. W.	29.190	38.60	2.62	N. W.
May.....	29.304	55.50	7.36	S. E.	29.323	64.20	4.86	S. W.	29.326	61.20	4.19	S.	29.202	57.20	4.83	N. W.
June.....	29.281	62.40	8.49	S. E.	29.299	69.10	4.48	W.	29.298	67.00	3.65	S.	29.196	62.00	5.52	N. W.
July.....	29.311	65.70	6.14	W.	29.306	70.80	5.71	S. W.	29.309	69.90	4.47	S. W.	29.253	64.30	3.82	N. W.
August.....	29.393	65.10	1.61	N. W.	29.365	69.30	5.53	S. W.	29.378	68.70	8.03	N. E.	29.314	62.30	3.77	N.&N.W
September.....	29.344	57.60	3.31	W.	29.363	61.60	4.30	S. W.	29.368	60.90	3.74	S. W.	29.230	55.90	2.82	W.
October.....	29.351	45.00	1.95	N. W.	29.374	48.40	5.45	S. W.	29.370	49.20	3.15	S. E.	29.237	44.00	2.35	S.
November.....	29.427	26.80	2.49	W.	29.473	30.15	3.20	S. W.	29.450	32.30	2.01	W.	29.308	21.70	1.49	W.
December.....	29.315	19.30	1.85	W.	29.371	22.20	1.23	S. W.	29.372	24.90	2.32	S.W.&W	29.256	19.30	1.27	W.
Average Month.....	29.336	42.73	3.64	.....	29.350	48.70	4.00	.....	29.346	47.73	3.72	.....	29.245	41.98	2.79	.....

Table XXXII. is made from data in the Office of the State Board of Health.

EXHIBIT 13.—ALL CAUSES.—*Deaths Returned as having occurred in Michigan from All Causes during the Years 1870–1880; Per Cent. of Deaths to the Estimated Population[a] in each Year, and some coincident Meteorological conditions, at the Agricultural College, near Lansing, Michigan, and near the center of the thickly-settled part of the State.*

Years 1870–1880 in Order by Per Cent. of Reported Deaths from All Causes to Estimated Inhabitants, Year of Greatest Death-rate First.	Estimated Inhabitants.[a]	Deaths Reported.		Temperature,—Fahr.; Mean of 3 Daily Observations,—7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, etc.—Monthly Averag's.		Ozone,—Relative. Maximum = 10.		Average Velocity of Wind, Miles per hour,—by Registering Anemometer.[c]	Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
		Number.	Per Cent. of Deaths to Estimated Inhabitants.	Average Range.									Range of Barometer.		
				Daily.	From Day to Day, 2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[b]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.			Annual.	Average, Daily.	Average Pressure.
[illegible]	1,305,096	14,258	1.09	11.37	17.67	44.54	80	3.36	4.02	4.63	.....	31.745	1.307	.141	28.874
[illegible]	1,263,514	13,371	1.06	15.31	18.14	45.54	83	3.70	2.82	4.24	.....	26.853	1.902	.123	28.887
[illegible]	1,636,937	16,102	.98	13.54	16.39	d 47.28	75	3.71	4.05	3.63	9.4	43.890	1.648	.137	29.105
[illegible]	1,348,047	12,500	.93	15.65	18.27	d 47.05	78	3.36	4.10	3.99	.....	22.959	2.069	.130	28.935
[illegible]	1,399,705	12,853	.92	15.01	17.05	46.66	79	3.52	3.05	3.25	8.1	31.413	1.997	.120	28.979
[illegible]	1,184,282	10,763	.91	17.11	19.03	49.10	81	3.90	.....	.....	.....	37.757	1.366	.....	28.876
[illegible]	1,584,956	14,407	.91	14.87	17.24	46.88	76	3.43	3.24	3.36	9.7	26.730	1.289	.125	29.080
[illegible]	1,438,235	12,576	.87	13.60	16.33	d 46.17	81	3.40	3.68	4.11	.....	30.553	1.860	.138	29.010
[illegible]	1,485,567	12,919	.87	15.12	17.53	47.42	80	3.45	3.66	3.33	.....	37.420	1.539	.109	29.066
[illegible]	1,392,411	11,990	.86	15.34	17.55	d 43.09	79	3.11	4.53	5.04	.....	28.437	1.628	.306	29.003
[illegible]	1,534,457	12,766	.83	13.63	16.05	48.29	79	3.69	3.50	3.42	5.1	31.990	1.276	.115	29.053
1871	1,223,257	9,728	.71	16.52	19.97	47.93	80	3.56	.....	.....	.....	27.210	6.079	.....	28.884

[a] Population estimated from Censuses of 1870 and 1880. [b] See foot-notes to Exhibit K, page 266. [c] From observations at the office of the State Board of Health. [d] Exceptions to the proposition that the temperature was *less* than the average in years in which the death-rate was *greater* than the average, and vice versa.

...F 14.—ALL CAUSES.—*Deaths Returned as having occurred in Michigan from All Causes, by Months, during the ...r 1880, and some coincident Meteorological conditions at the Office of the State Board of Health, at Lansing.*

...S BY ...T OF ...RTED ...THS FROM ALL CAUSES, GREATEST FIRST.	Deaths Reported from All Causes, 1880. Number. Total.	Number. Males.	Number. Females.	Number. Unknown.	Per Cent. of Total. Total.	Per Cent. of Total. Males.	Per Cent. of Total. Females.	Per Cent. of Total. Unknown.	Temperature, Degrees,—Fahr. Av. Daily Range during Day and following Night by Registering Thermometers.	Temperature, Degrees,—Fahr. Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Humidity of Atmosphere, Etc.,—Monthly Averages. Relative Humidity, or Per Cent. of Saturation.	Humidity of Atmosphere, Etc.,—Monthly Averages. Weight, in Grains, of Vapor in Cubic Foot of Air.	Ozone,—Relative. Maximum=10. Day,—7 A. M. to 2 P. M.	Ozone,—Relative. Maximum=10. Night,—9 P. M. to 7 A. M.	Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Rain and Melted Snow, in Inches.	Pressure of Atmosphere.—Inches of Mercury. (Reduced to 32° F.) Range of Barometer. Monthly, and Year.	Range of Barometer. Average, Daily.	Average Pressure.
YEAR, 1880.....[b]	16,059	8,617	7,395	47	100.00	100.00	100.00	100.00	18.61	49.25	68	3.49	3.70	4.14	9.4	49.54	1.514	.215	29.016
More than the Av. No. of Deaths. August....	1,780	939	834	7	11.08	10.90	11.28	14.89	20.65	70.70	72	6.06	2.90	2.87	5.9	[f] 6.02	.644	.121	29.052
Sept.....	1,676	907	764	5	10.44	10.53	10.33	10.64	21.17	61.71	69	4.72	[e] 3.73	3.60	8.1	[f] 4.13	.643	.129	29.058
Dec.....	1,617	852	738	7	10.07	9.89	10.25	14.89	[c] 10.74	[d] 21.80	78	1.80	[e] 4.55	[e] 5.26	7.4	.66	1.370	.252	[g] 29.011
July.....	1,527	836	688	3	9.51	9.70	9.30	6.38	20.81	72.27	69	6.12	3.39	3.61	6.5	[f] 6.00	.549	.105	[g] 28.996
Nov.....	1,486	822	661	3	9.25	9.54	8.94	6.38	[c] 15.33	[d] 29.17	72	1.67	[e] 4.33	[e] 5.60	8.6	2.38	1.014	.234	29.013
October...	1,471	795	671	5	9.16	9.23	9.07	10.64	20.16	[d] 48.99	69	3.16	3.19	3.71	7.8	2.84	1.022	.215	29.043
Average	1,342	720	618	4	8.36	8.36	8.36	8.51	18.61	49.25	68	3.49	3.70	4.14	9.4	4.12	.990	.215	29.016
Less than the Av. No. of Deaths. April.....	1,289	683	601	5	8.03	7.93	8.13	10.64	[c] 20.63	47.50	59	2.76	4.28	4.93	13.8	7.06	.954	.292	28.916
May.....	1,116	619	545	2	7.26	7.18	7.37	4.26	[c] 20.65	[d] 66.03	60	4.76	3.81	4.32	10.4	6.81	.922	.157	29.002
March.....	1,149	604	545	....	7.15	7.01	7.37	.....	[c] 19.45	34.34	63	1.75	[e] 3.42	[e] 3.81	12.8	[f] 2.00	1.422	.314	[g] 29.042
June	1,036	553	479	4	6.45	6.42	6.48	8.51	18.43	[d] 69.79	67	5.60	[e] 3.53	[e] 3.87	8.3	6.98	.916	.136	28.983
Feb.....	1,002	556	442	4	6.24	6.45	5.98	8.51	18.17	31.60	58	1.74	4.38	4.97	12.7	[f] 1.85	1.253	.316	28.973
Jan.....	860	451	407	2	5.36	1.00	5.50	4.26	17.10	37.10	75	2.22	[e] 2.90	[e] 3.16	11.0	[f] 2.67	1.174	.322	28.998

[a] See foot-notes to Exhibit K, page 266. [b] Excluding Deaths in unknown month. [c] Exceptions to the proposition that the Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*. [d] Exceptions to the proposition that the Average Daily Temperature was *higher* than the average in months when *more* than the average number of deaths occurred, and *vice versa*. [f] Exceptions to the proposition that the Rain-fall was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*. [e] Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*. [g] Exceptions to the proposition that the Atmospheric Pressure indicated by the Barometer, was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

EXHIBIT K.—CROUP.—*Deaths Returned as having occurred in Michigan from Croup, by Months, during the Year 1880, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Croup, Greatest First.		Deaths from Croup, 1880.		Temperature,—Degrees F.		Humidity of Atmosphere, etc.,—Monthly Averages.				Ozone,—Relative. Maximum=10.				
		Number.	Per Cent. of Total.	Average Daily Range during Day and following Night by Registering Therm'r. Observed at 7 A. M.	Average of Daily Observations, at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor inhaled by one person in 24 hours.[b]	Weight, in Troy Ounces, of Vapor exhaled from Air passages in 24 hours, in excess of vapor inhaled.[c]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Rain-fall, in Inches.	Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahrenheit.)
Year, 1880		322	100.00	18.61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	49.54	29.016
More than the Av. No. of Deaths.	November	48	14.91	15.33	29.17	72	1.67	1.04	10.64	4.33	5.60	8.6	2.38	29.113
	December	45	13.98	10.74	21.80	78	1.30	0.81	10.87	4.55	5.26	7.4	.66	29.011
	October	37	11.49	*20.16	48.99	69	3.16	1.98	9.70	3.19	3.71	7.8	2.81	29.043
	January	34	10.56	17.10	37.10	75	2.22	1.39	10.29	2.90	3.16	11.0	2.67	28.998
	February	30	9.32	18.17	31.60	58	1.74	1.09	10.59	4.38	4.97	12.7	1.85	28.973
Average		27	8.39	18.61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	4.12	29.016
Less than the Average No. of Deaths.	September	22	6.83	21.17	61.71	69	4.72	2.95	8.73	3.73	3.60	8.1	4.13	29.058
	March	21	6.52	19.45	*34.34	63	1.75	f 1.09	10.59	3.42	3.81	12.8	2.00	29.042
	April	20	6.21	20.63	*47.50	59	2.76	f 1.73	9.95	4.28	4.93	13.8	7.06	28.916
	June	19	5.90	18.43	69.79	67	5.60	3.50	8.18	3.53	3.87	8.3	6.96	28.963
	July	16	4.97	20.81	72.27	69	6.12	3.83	7.85	3.39	3.61	6.5	6.00	28.996
	May	15	4.66	20.65	66.03	60	4.76	2.98	8.70	3.81	4.32	10.4	6.81	29.002
	August	15	4.66	20.65	70.70	72	6.06	3.79	7.89	2.90	2.87	5.9	6.02	29.059

[a] Calculated from readings of Dry Bulb and Wet Bulb Thermometers.
[b] Calculated for 18 respirations per minute, of 20 cubic inches of air each.
[c] Assuming the air exhaled to be saturated with vapor at the temperature of 98° F., each cubic foot containing 18.69 grains, 18 respirations per minute, of 20 cubic inches of air each, making 11.68 Troy ounces of vapor exhaled daily. No correction made for expansion of air after being inhaled.
[d] Includes 65 deaths from Membranous Croup, and 1 from Spasmodic Croup.
* Exceptions to the proposition that *more* than an average number of deaths from croup occurred in months when the temperature was *less* than the average, and *vice versa*.
[f] Exceptions to the proposition that *more* than an average number of deaths from croup occurred in months in which there was *less* than the average quantity of vapor inhaled, and *vice versa*.

Croup.—The number of deaths in 1880 from this disease (322), is in excess of that registered in any previous year, and is two per cent. of the deaths from all causes. The average annual mortality from croup, according to the returns, for the ten years 1871–1880 is 197, and the order of the years, those having the greatest number first, is: 1880, 322; 1879, 278; 1878, 236; 1876, 178; 1873, 172; 1875, 167; 1877, 164; 1872, 162; 1871, 153; 1874, 140. For 1880, more than the average number of deaths occurred in the months of

November, December, October, January, and February; 60.25 per cent. of the deaths from croup being assigned to those months. As may be seen in Exhibit K, there are only two exceptions to the proposition that more than an average number of deaths from croup occurred in months in which there was less than the average quantity of vapor inhaled, and *vice versa.*

EXHIBIT L.—CROUP AND DIPHTHERIA.—*Deaths Returned as having occurred in Michigan from Croup and Diphtheria, by Months, during the year 1880, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Croup and Diphtheria, Greatest First.	Deaths from Croup and Diphtheria, 1880.		Temperature, Degrees,—Fahr.		Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.		Average Velocity of Wind, Miles per Hour.—by Registering Anemometer.	Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahr.)
	Number.	Per Cent. of Total.	Average Daily Range during Day and following Night by Reg. Therm'trs. Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours, in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
Year, 1880	[b] 1,859	100.00	18.61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	29.016
More than the Average No. of Deaths. Nov.	246	13.23	15.33	29.17	72	1.67	1.04	10.64	4.33	5.60	8.6	29.113
Dec.	245	13.18	10.74	21.80	78	1.30	0.81	10.87	4.55	5.26	7.4	29.011
Oct.	223	12.00	[c] 20.16	48.99	69	3.16	1.98	9.70	3.19	3.71	7.8	29.043
Sept.	183	9.84	[e] 21.17	[d] 61.71	69	4.72	[e] 2.95	8.73	3.73	3.60	8.1	29.058
Average	155	8.34	18.61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	29.016
Less than the Average No. of Deaths. Aug.	149	8.02	20.65	70.70	72	6.06	3.79	7.89	2.90	2.87	5.9	29.052
April	136	7.32	20.63	[d] 47.50	59	2.76	[e] 1.73	9.95	4.28	4.93	13.8	28.916
Jan.	133	7.15	[e] 17.10	[d] 37.10	75	2.22	[e] 1.39	10.29	2.90	3.16	11.0	28.998
July	133	7.15	20.81	72.27	69	6.12	3.83	7.85	3.39	3.61	6.5	28.996
March	120	6.46	19.45	[d] 34.34	63	1.75	[e] 1.09	10.59	3.42	3.81	12.8	29.042
Feb.	104	5.59	[e] 18.17	[d] 31.60	58	1.74	[e] 1.09	10.59	4.38	4.97	12.7	28.978
June	101	5.43	[e] 18.43	69.79	67	5.60	3.50	8.18	3.53	3.87	8.3	28.983
May	86	4.63	20.65	66.03	60	4.76	2.98	8.70	3.81	4.32	10.4	29.002

[a] See foot-notes to Exhibit K, page 266.
[b] Excluding 5 in unknown Month.
[c] Exceptions to the proposition that *more* than an average number of deaths from Croup and Diphtheria occurred in months when the Average Daily Range of Temperature was *less* than the average, and *vice versa.*
[d] Exceptions to the proposition that *more* than an average number of deaths from Croup and Diphtheria occurred in months when the Average Daily Temperature was *lower* than the average, and *vice versa.*
[e] Exceptions to the proposition that *more* than than the average number of deaths from Croup [illegible]theria occurred in months when *less* than the average quantity of vapor was inhaled, and

[illegible]*nd Diphtheria.*—The deaths from croup and diphtheria in connec- [illegible]teorological conditions at the office of the State Board of Health, [illegible] 1880, may be studied in Exhibit L. The propriety of combining

the statistics of the mortality from these two diseases has been shown in previous reports. One reason, among others, is the fact of their resemblance, and on this account many cases of death from one disease are erroneously reported as deaths from the other. The same propositions are made in this Exhibit as in Exhibit K, and it will be seen that there are five exceptions to the proposition that more than the average number of deaths from croup and diphtheria occurred in months in which there was less than the average quantity of vapor inhaled, and *vice versa*.

EXHIBIT M.—DIPHTHERIA.—*Deaths Returned as having occurred in Michigan from Diphtheria, by Months, during the Year 1880, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Diphtheria, Greatest First.	Deaths from Diphtheria, 1880.		Temperature, Degrees,—Fahr.		Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum =10.		Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahrenheit.)
	Number.	Per Cent. of Total.	Average Daily Range during Day and following Night by Reg. Thermometers. Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours, in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
Year, 1880	[b] 1,337	100.00	18.61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	29.016
More than the Av. No. of Deaths. December	200	13.01	10.74	21.80	78	1.30	.81	10.87	4.35	5.26	7.4	29.011
November	198	12.88	15.33	29.17	72	1.67	1.04	10.64	4.33	5.00	8.6	29.113
October	186	12.10	[c] 20.16	48.99	69	3.16	1.98	9.70	3.19	3.71	7.8	29.043
September	161	10.47	[c] 21.17	[d] 61.71	69	4.72	[e] 2.95	8.72	3.73	3.60	8.1	29.058
August	134	8.72	[c] 20.63	[d] 70.70	72	6.06	[e] 3.79	7.89	2.90	2.87	5.9	29.032
Average	129	8.39	18.61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	29.016
Less than the Average Number of Deaths. July	117	7.61	20.81	72.27	69	6.12	3.83	7.85	3.39	2.61	6.5	28.996
April	110	7.35	20.63	[d] 47.50	59	2.76	[e] 1.73	9.95	4.28	4.93	13.8	28.916
January	98	6.44	[c] 17.40	[d] 37.10	75	2.22	[e] 1.39	10.29	2.90	3.16	11.0	28.998
March	89	6.44	19.45	[d] 34.24	63	1.73	[e] 1.09	10.20	2.42	2.81	12.8	29.042
June	82	3.31	[c] 18.43	69.79	67	3.60	3.50	8.18	3.33	2.87	8.3	28.983
February	74	4.81	[c] 18.17	[d] 31.00	58	1.74	[e] 1.09	10.50	4.38	4.97	12.7	28.973
May	71	4.81	20.93	66.03	69	4.76	2.98	9.70	2.81	4.32	10.4	29.002

[a] See foot-notes to Exhibit K, page 266.

[b] Excluding 5 in unknown month.

[c] Exceptions to the proposition that more than an average number of deaths from Diphtheria occurred in months when the average daily range of temperature was less than the average, and vice versa.

[d] Exceptions to the proposition that more than an average number of Deaths from Diphtheria occurred in months when the Average Daily Temperature was [illegible] than the average, and vice versa.

[e] Exceptions to the proposition that more than an average [illegible] deaths from Diphtheria occurred in months when [illegible] the average [illegible] and vice versa.

Diphtheria.—According [illegible] cause numbered 1,342 in 1880. Th[illegible] been recorded in

this State, and the disease has manifested its influence during the last few years in a remarkable manner, alike in its extent, duration, and fatal effects. The prevalence of the disease in the various counties for the years 1876–1880 is as follows: in 1876, it was reported from 38 counties; in 1877, from 46 counties; in 1878, from 52 counties; in 1879, from 61 counties; and in 1880, from 62 counties, or from 24 counties more than in 1876.

The weekly reports of sickness made to the State Board of Health, in 1877–1880, by health officers of cities and regular correspondents of the Board, also indicate a considerable increase of sickness from diphtheria during those years. The following tabular exhibit, states for each of the years 1877–1880 what per cent. of observers reported diphtheria; for what proportion of the time, covered by each observer's reports, on the average, the disease was reported; on what per cent. of all reports received for the year the disease was reported. The per cent. of observers reporting diphtheria increased from 32 in 1877 to 43 in 1880; and the per cent. of reports on which it was reported, increased from 19 in 1877 to 29 in 1879 and 27 in 1880.

The deaths from diphtheria in 1880 comprised 9.58 per cent. of the deaths from all causes; although this per cent. is not as large as that for 1879, which was 10.22, still, there were 69 more deaths returned from this disease in 1880 than in 1879. The order of the years 1869–1880, those being placed first in order which have the greatest per cent. of deaths from diphtheria, is: 1879, 10.22; 1880, 9.58; 1878, 6.95; 1877, 4.59; 1876, 2.47; 1875, 1.73; 1874, 1.70; 1873, 1.52; 1872, 1.44; 1871, 1.24; 1870, 1.12; 1869, 0.97. From 1870 to 1873, the number of deaths reported from diphtheria increased with each year; from 1873 to 1875 the number reported decreased by 4 in 1874 and by 6 in 1875; but from 1875 to 1880, the number reported increased again largely with each successive year.

As may be seen by Exhibit M, diphtheria, as usual, prevailed most extensively during the fall and December, 57.12 per cent. having died during the five months of August, September, October, November, and December. The least number of deaths was in May, from which month the rise was quite rapid to December, which had the largest number of deaths. The deaths from Diphtheria of those under five years of age were 43 per cent. of the total number of deaths from this disease, and for ages from 5 to 10 they constituted 35 per cent.; 78.14 per cent. of the deaths were of children under 10 years of age, and 93.59 per cent. were of persons under 15 years of age. The decrease in the death-rate from diphtheria among persons over 15 years of age, as compared with the death-rate among those under that age, is very marked.

The same propositions are made for diphtheria that are made for croup, and the proposition that *more* than an average proportion of deaths occurred in months in which *less* than an average quantity of vapor was inhaled, and *vice versa*, holds true in only six of the twelve months, while in croup the same proposition holds true in ten of the twelve months. This indicates that in 1880, croup sustained a closer relation to the amount of vapor inhaled than did diphtheria.

It is hoped that the epidemic of diphtheria has reached its highest point, and that henceforth the deaths from that cause will decrease steadily. In fact, it is already known that the circulars and documents sent out by the State Board of Health have had a great influence in the restriction, and prevention of this destructive disease.

Diphtheria.—From Weekly Reports of Diseases to the State Board of Health for each of the Years 1877–1880.

YEARS.	Per Cent. of Observers Reporting Presence of.	Av. Per Cent. of Weeks Reported Present where Present.	Per Cent. of Reports Stating Presence of.
1877	32	59	19
1878	37	62	23
1879	45	63	29
1880	43	63	27

Deaths from Diphtheria, by Counties, for each of the Years 1876–1880.

STATE AND COUNTIES.	1880.	1879.	1878.	1877.	1876.
STATE	1,542	1,473	887	593	311
Alcona	3	3	3	.....	.....
Allegan	11	20	29	1	4
Alpena	.....	.....	.....	.....	.....
Antrim	3	11	10	10	.....
Baraga	.....	.....	.....	.....	.....
Barry	12	8	17	19	15
Bay	40	41	16	13	13
Benzie	2	4	.....	.....	.....
Berrien	31	70	27	6	5
Branch	10	33	16	21	23
Calhoun	8	40	10	36	15
Cass	9	47	47	4	6
Charlevoix	.....	1	.....	1	.....
Cheboygan	3	1	20	8	.....
Chippewa	2	.....	.....	.....	.....
Clare	42	2	.....	.....	.....
Clinton	19	15	52	2	5
Crawford	.....	1	.....	.....	.....
Delta	6	.....	.....	1	1
Eaton	18	30	47	12	23
Emmet	1	3	.....	.....	.....
Genesee	33	17	17	29	3
Gladwin	.....	7	.....	.....	.....
Grand Traverse	6	2	6	25	1
Gratiot	31	31	18	21	1

Deaths from Diphtheria.—Continued.

COUNTIES.	1880.	1879.	1878.	1877.	1876.
Hillsdale	14	32	19	10	12
Houghton			1		
Huron	7	8	10	4	
Ingham	14	56	9	2	3
Ionia	11	16	14	9	2
Iosco	1	4	2	1	6
Isabella	56	23	1		
Isle Royal					
Jackson	5	26	84	58	5
Kalamazoo	13	22	17	20	13
Kalkaska	1	1			
Kent	194	171	64	74	18
Keweenaw					
Lake	3	2			
Lapeer	6	42	7	11	
Leelanaw	13				
Lenawee	17	10	12	25	9
Livingston	19	22	5	2	
Mackinac			1		
Macomb	8	19	17	3	2
Manistee	2	4	1		
Manitou					
Marquette	7	5	10		2
Mason	31	14		1	
Mecosta	60	18	2	1	
Menominee	1				
Midland	28	5	8	2	
Missaukee			1		
Monroe	20	14	17	8	5
Montcalm	80	11	6	8	
Montmorency					
Muskegon	43	37		2	2
Newaygo	60	8	5	3	1
Oakland	7	21	20	15	5
Oceana	13	13	1		1
Ogemaw					2
Ontonagon					
Osceola	60	23			
Oscoda					
Otsego	1	2	2		

Deaths from Diphtheria.—Continued.

COUNTIES.	1880.	1879.	1878.	1877.	1876.
Ottawa	15	44	3	6	.....
Presque Isle	.....	.....	.....	.....	.....
Roscommon	2	2	.....	.....	.....
Saginaw	148	157	52	19	13
Sanilac	3	10	12	17	6
Schoolcraft	.....	.....	.....	.....	.....
Shiawassee	13	8	11	1	1
St. Clair	43	7	22	13	15
St. Joseph	13	28	13	5	5
Tuscola	41	46	5	5	4
Van Buren	4	11	7	4	2
Washtenaw	9	10	4	1	2
Wayne	137	128	67	55	58
Wexford	24	6	20	.....	.....
No. of Counties	62	61	52	46	38

Cerebro-spinal Meningitis.—Only five deaths were returned from this disease in 1880, being the smallest number reported for any year since 1871. In 1879, the number was 10; in 1878, 8; in 1877, 9; in 1876, 14; in 1875, 36; in 1874, 33; and in 1873, 145. Of the decedents from this disease in 1880, 4 died aged under 5, and one between the ages of 5 and 10. The months in which the deaths occurred were March, May, June, August, and November.

EXHIBIT V.—CEREBRO-SPINAL MENINGITIS, ETC.—*The Total Number of Deaths Returned as having occurred from Cerebro-spinal Meningitis, Spotted Fever, Spinal Meningitis, Meningitis, and Spinal Fever, in Michigan during the Year 1880, by Months, and by Sex.*

CAUSES OF DEATH.	SEX.	YEAR, 1880.	MONTHS, 1880.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Total	Total	157	4	12	12	12	9	12	24	24	13	10	8	17
	Males	88	1	10	5	8	5	5	14	14	9	4	6	7
	Fema's	69	3	2	7	4	4	7	10	10	4	6	2	10
Cerebro-spinal Meningitis	Total	5	.....	.....	1	.....	1	1	.....	1	.....	.....	1	.....
	Males	2	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....
	Fema's	3	.....	.....	1	.....	1	1	.....	.....	.....	.....	.....	.....
Spotted Fever	Total	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
	Males	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
	Fema's	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Spinal Meningitis	Total	56	1	4	5	6	2	4	8	10	2	4	3	9
	Males	38	.....	4	2	5	2	2	6	6	2	2	3	4
	Fema's	20	1	.....	3	1	.....	2	2	4	.....	2	.....	5
Meningitis	Total	22	1	2	1	1	2	1	5	2	1	2	1	3
	Males	12	1	1	1	.....	1	.....	3	1	1	1	1	1
	Fema's	10	.....	1	.....	1	1	1	2	1	.....	1	.....	2
Spinal Fever	Total	71	2	6	5	5	4	6	11	10	10	4	3	5
	Males	35	.....	5	2	3	2	3	5	5	6	1	1	2
	Fema's	36	2	1	3	2	2	3	6	5	4	3	2	3

Exhibits V. and 15 combine the numbers of deaths from certain diseases, and Exhibit 15 shows the relation between this group of causes of deaths and certain meteorological conditions. To each of the propositions concerning the average daily temperature, and the absolute humidity there are only three exceptions.

EXHIBIT 15.—CEREBRO-SPINAL MENINGITIS, ETC.—*Deaths Returned as having occurred in Michigan from Cerebro-spinal Meningitis, Spotted Fever, Spinal Meningitis, Meningitis, and Spinal Fever, by Months, during the Year 1880, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Cerebro-Spinal Meningitis, Spotted Fever, Spinal Meningitis, Meningitis, and Spinal Fever, Greatest First.	Deaths from Cerebro-Spinal Meningitis, Etc., 1880.		Temperature, Degrees,—Fahr.		Humidity of Atmosphere, Etc.,—Monthly Averages.		Ozone,—Relative. Maximum = 10.		Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
											Range of Barometer.		
	Number.	Per Cent. of Total.	Average Daily Range during Day and following Night by Reg. Ther. Obs. at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.			Monthly, and Year.	Average, Daily.	Average Pressure.
Year, 1880...	157	100.00	18.61	49.25	68	3.49	3.70	4.14	9.4	49.54	1.514	.215	29.016
More than Av. No. of Deaths. July...	24	15.29	20.81	72.27	d 69	6.12	3.39	3.61	6.5	6.00	.549	.105	28.966
Aug. ..	24	15.29	20.65	70.70	d 72	6.06	2.90	2.87	5.9	6.02	.644	.121	g 29.052
Dec....	17	10.83	b 10.74	e 21.80	d 78	e 1.30	f 4.55	f 5.26	7.4	.66	1.370	.252	29.011
Sept...	13	8.28	21.17	61.71	d 69	4.72	f 3.73	3.60	8.1	4.13	.643	.129	g 29.056
Average	13	8.28	18.61	49.25	68	3.49	3.70	4.14	9.4	4.12	.990	.215	29.016
Less than the Av. No. of Deaths. Feb....	12	7.64	18.17	31.60	d 58	1.74	4.38	4.97	12.7	1.85	1.253	.316	g 28.973
March.	12	7.64	b 19.45	34.34	d 63	1.75	f 3.42	f 3.81	12.8	2.00	1.422	.314	29.042
April..	12	7.64	b 20.63	47.50	d 59	2.76	4.28	4.93	13.8	7.06	.964	.282	g 28.916
June. .	12	7.64	18.43	c 69.79	d 67	e 5.60	f 3.53	f 3.87	8.3	6.96	.916	.136	g 28.963
Oct....	10	6.37	b 20.16	48.99	69	3.16	f 3.19	f 3.71	7.8	2.84	1.022	.215	29.043
May...	9	5.73	b 20.65	e 66.03	d 60	e 4.76	3.81	4.32	10.4	6.81	.922	.157	g 29.002
Nov....	8	5.10	15.33	29.17	72	1.67	4.33	5.60	8.6	2.38	1.014	.234	29.113
Jan....	4	2.55	17.10	37.10	75	2.22	f 2.90	f 3.16	11.0	2.67	1.174	.322	g 28.996

a See foot-notes to Exhibit K, page 266.

b Exceptions to the proposition that the Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

c Exceptions to the proposition that the Average Daily Temperature was *higher* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

d Exceptions to the proposition that the Relative Humidity was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

e Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

f Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

g Exceptions to the proposition that the Atmospheric Pressure, indicated by the barometer, was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

Congestive Chills and Intermittent Fever.—The number of deaths returned from Congestive Chills in 1880 is 68, an increase of 4 over the number reported in 1879 and in 1878. The average annual number of deaths from this disease for the ten years 1871–1880 is 80. In 1880 the largest number of deaths occurred in September, and the smallest in November. The relation between Congestive Chills and certain meteorological conditions is shown in Exhibit U, where it is seen that the average daily temperature and absolute humidity sustained a closer relation than any other atmospheric condition.

EXHIBIT U.—CONGESTIVE CHILLS.—*Deaths Returned as having occurred in Michigan from Congestive Chills by Months, during the Year 1880, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Congestive Chills, Greatest First.	Deaths from Congestive Chills, 1880.		Temperature, Degrees,—Fahr.		Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.				Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
													Range of Barometer.		
	Number.	Per Cent. of Total.	Average Daily Range during Day and following Night, by Registering Therm'ter Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor exhaled from Air passages in 24 hours, in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Rain and Melted Snow, in Inches.	Monthly, and Year.	Average, Daily.	Average Pressure.
Year, 1880.	68	100.00	18.61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	49.54	1.514	.215	29.016
More than the Av. No. of Deaths. Sept.	14	20.59	21.17	61.71	69	4.72	2.95	8.73	[e] 3.73	3.60	8.1	4.13	[f] .643	[g] .129	29.058
Aug.	12	17.65	20.65	70.70	72	6.06	3.79	7.89	2.90	2.87	5.9	6.02	[f] .644	[g] .121	29.052
Oct.	7	10.29	20.16	[c] 48.99	69	[d] 3.16	1.98	9.70	3.19	3.71	7.8	2.84	1.022	.215	29.043
May.	6	8.82	20.65	66.03	60	4.76	2.98	8.70	[e] 3.81	[e] 4.32	10.4	6.81	[f] .922	[g] .157	[h] 29.002
June.	6	8.82	[b] 18.43	69.79	67	5.60	3.50	8.18	3.53	3.87	8.3	6.96	[f] .916	[g] .136	[h] 28.983
Dec.	6	8.82	[b] 10.74	[c] 21.80	78	[d] 1.30	0.81	10.87	[e] 4.55	[e] 5.26	7.4	.66	1.370	.252	[h] 29.011
Average	5.7	8.38	18.61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	4.12	.990	.215	29.016
Less than the Av. No. of Deaths. July.	5	7.35	[b] 20.81	[c] 72.27	69	[d] 6.12	3.83	7.85	[e] 3.39	[e] 3.61	6.5	6.00	.549	.105	28.996
Feb.	4	5.88	18.17	31.60	58	1.74	1.09	10.59	4.38	4.97	12.7	1.85	[f] 1.253	[g] .316	28.973
Mar.	3	4.41	[b] 19.45	31.34	63	1.75	1.09	10.59	[e] 3.42	[e] 3.81	12.8	2.00	[f] 1.422	[g] .314	[h] 29.042
Jan.	2	2.94	17.10	37.10	75	2.22	1.39	10.29	[e] 2.90	[e] 3.16	11.0	2.67	[f] 1.174	[g] .322	28.998
Apr.	2	2.94	[b] 20.63	47.50	59	2.76	1.73	9.95	4.28	4.93	13.8	7.06	.954	[g] .282	28.916
Nov.	1	1.47	15.33	29.17	72	1.67	1.04	10.64	4.33	5.60	8.6	2.38	[f] 1.014	[g] .234	[h] 29.113

[a] See foot-notes to Exhibit K, page 266.
[b] Exceptions to the proposition that the Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[c] Exceptions to the proposition that the Average Daily Temperature was *higher* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[d] Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[e] Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[f] Exceptions to the proposition that the Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[g] Exceptions to the proposition that the Average Daily Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[h] Exceptions to the proposition that the Atmospheric Pressure indicated by the Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

Intermittent Fever is reported to have caused the death of 32 persons during the year 1880, which is a decrease of 14 from the number returned in 1879. The disease seems to be influenced by the same atmospheric conditions as Congestive Chills, but there is only one exception to the proposition that the At-

mospheric Pressure indicated by the Barometer was *greater* than the average in months when more than the average number of deaths occurred, and *vice versa.*

EXHIBIT W.—INTERMITTENT FEVER.—*Deaths returned as having occurred in Michigan from Intermittent Fever, by Months, during the Year 1880, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Intermittent Fever, Greatest First.		Deaths from Intermittent Fever, 1880.		Temperature, Degrees,—Fahr.		Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone.—Relative. Maximum = 10.		Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
														Range of Barometer.		
		Number.	Per Cent. of Total.	Average Daily Range during Day and following Night, by Registering Therm'trs. Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor exhaled from Air passages in 24 hours in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.			Monthly, and Year.	Average, Daily.	Average Pressure.
Year, 1880.		32	100.00	18.61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	49.54	1.514	.215	29.016
More than the Av. No. of Deaths.	Sept..	5	15.63	21.17	61.71	69	4.72	2.95	8.73	[e] 3.73	3.60	8.1	4.13	[f] .643	[g] .129	29.058
	Nov...	5	15.62	[b] 15.33	[c] 29.17	72	[d] 1.67	1.04	10.64	[e] 4.33	[e] 5.60	8.6	2.38	1.014	.234	29.113
	Aug..	4	12.50	20.63	70.70	72	6.06	3.79	7.89	2.90	2.87	5.9	6.02	[f] .644	[g] .121	29.052
	Oct...	4	12.50	20.16	[c] 48.99	69	[d] 3.16	1.98	9.70	3.19	3.71	7.8	2.84	1.022	.215	29.043
	Mar..	3	9.38	19.45	[c] 31.34	63	[d] 1.75	1.09	10.59	3.42	3.81	12.8	2.00	1.422	.314	29.042
	July..	3	9.38	20.81	72.27	69	6.12	3.83	7.85	3.39	3.61	6.5	6.00	[f] .549	[g] .105	[h] 28.996
Average...		2.7	8.44	18.61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	4.12	.990	.215	29.016
Less than the Average No. of Deaths.	April	2	6.25	[b] 20.63	47.50	59	2.76	1.73	9.95	4.28	4.93	13.8	7.06	.954	[g] .282	28.916
	June.	2	6.25	18.43	[c] 69.79	67	[d] 5.60	3.50	8.18	[e] 3.53	[e] 3.87	8.3	6.96	.916	.138	28.983
	Dec..	2	6.25	10.74	21.80	78	1.30	0.81	10.87	4.55	5.26	7.4	.06	[f] 1.370	[g] .252	29.011
	Feb..	1	3.13	18.17	31.60	58	1.74	1.09	10.59	4.38	4.97	12.7	1.85	[f] 1.253	[g] .316	28.973
	May..	1	3.13	[b] 20.65	[c] 66.03	60	[d] 4.76	2.98	8.70	3.81	4.32	10.4	6.81	.922	.157	29.002
	Jan...	0	------	17.10	37.10	75	2.22	1.39	10.29	[e] 2.90	[e] 3.16	11.0	2.67	[f] 1.174	[g] .322	28.998

[a] See foot-notes to Exhibit K, page 266.

[b] Exceptions to the proposition that the Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa.*

[c] Exceptions to the proposition that the Average Daily Temperature was *higher* than the average in months when *more* than the average number of deaths occurred, and *vice versa.*

[d] Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa.*

[e] Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa.*

[f] Exceptions to the proposition that the Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa.*

[g] Exceptions to the proposition that the Average Daily Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa.*

[h] Exception to the proposition that the Atmospheric Pressure indicated by the Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa.*

EXHIBIT 22.—CEPHALITIS.—*Deaths Returned as having occurred in Michigan, from Cephalitis, by Months, during the Year 1880, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Cephalitis, Greatest First.		Deaths from Cephalitis, 1880.		Temperature,—Degrees Fahr.		Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.				
		Number.	Per Cent. of Total.	Average Daily Range during Day and following Night, by Reg. Thermometers. Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor exhaled from Air passages in 24 hours, in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Rain-fall, in Inches.	Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahr.)
Year, 1880		300	100.00	18.61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	49.54	29.016
More than the Av. No. of Deaths.	July	38	12.67	20.81	72.27	d 69	6.12	3.83	7.85	3.39	3.61	6.5	6.00	28.996
	September	36	12.00	21.17	61.71	d 69	4.72	2.95	8.73	f 3.73	3.60	8.1	4.13	29.058
	August	33	11.00	20.65	70.70	d 72	6.06	3.79	7.89	2.90	2.87	8.9	6.02	29.052
	October	27	9.00	20.16	c 48.99	d 69	e 3.16	1.98	9.70	3.19	3.71	7.8	2.84	29.043
	December	27	9.00	b 10.74	e 21.80	d 78	e 1.30	0.81	10.87	f 4.55	f 5.26	7.4	.66	29.011
	June	25	8.33	b 18.43	69.79	67	5.60	3.50	8.18	3.53	3.87	8.3	6.96	28.983
Average		25	8.38	18.61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	4.12	29.016
Less than the Av. Number of Deaths.	March	24	8.00	b 19.45	34.34	d 63	1.75	1.09	10.59	f 3.42	f 3.81	12.8	2.00	29.042
	May	21	7.00	b 20.65	c 66.03	d 60	e 4.76	2.98	8.70	3.81	4.32	10.4	6.81	29.002
	January	19	6.33	17.10	37.10	75	2.22	1.39	10.29	f 2.90	f 3.16	11.0	2.67	28.998
	February	18	6.00	18.17	31.60	d 58	1.74	1.09	10.59	4.38	4.97	12.7	1.85	28.973
	April	16	5.33	b 20.63	47.50	d 59	2.76	1.73	9.95	4.28	4.93	13.8	7.06	28.916
	November	16	5.33	15.33	29.17	72	1.67	1.04	10.64	4.23	5.60	8.6	2.38	29.113

[a] See foot-notes to Exhibit K, page 266.
[b] Exceptions to the proposition that the Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[c] Exceptions to the proposition that the Daily Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[d] Exceptions to the proposition that the Relative Humidity was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[e] Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[f] Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

Cephalitis.—The mortality from this disease numbered 300 in 1880, which is larger than any number returned since 1873, and is larger by 31 than the annual average of the past ten years; 35.67 per cent. of the deaths from this disease occurred in July, August, and September, the month of July having the largest number; 67.33 per cent. of the victims were under five years of age. Exhibit 22 contains data concerning deaths from cephalitis and the coincident meteorological conditions.

EXHIBIT X.—TYPHOID FEVER.—*Deaths Returned as having occurred in Michigan from Typhoid Fever, by Months, during the Year 1880, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Typhoid Fever, Greatest First.	Deaths from Typhoid Fever, 1880.		Temperature,—Degrees Fahr.		Humidity of Atmosphere, Etc.,-Monthly Averages.				Ozone,—Relative. Maximum = 10.		Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
													Range of Barometer.		
	Number.	Per Cent. of Total.	Average Daily Range during Day and following Night by Registering Ther. Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.			Monthly, and Year.	Average, Daily.	Average Pressure.
Year, 1880..	513	100.00	18.61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	49.54	1.514	.215	29.016
More than the Av. No. of Deaths. Sept..	92	[b] 17.93	21.17	61.71	69	4.72	2.95	8.73	[e] 3.73	3.60	8.1	4.13	[f] .643	[g] .129	29.056
Oct...	87	16.96	20.16	[c] 48.99	69	[d] 3.16	1.98	9.70	3.19	3.71	7.8	2.84	1.022	.215	29.043
Aug...	73	14.23	20.65	70.70	72	6.06	3.79	7.89	2.90	2.87	5.9	6.02	[f] .644	[g] .121	29.032
Nov...	58	11.31	[b] 15.33	[c] 29.17	72	[d] 1.67	1.04	10.64	[e] 4.33	[e] 5.60	8.6	2.38	1.014	.234	29.113
Dec...	44	8.58	[b] 10.74	[c] 21.80	78	[d] 1.30	0.81	10.87	[e] 4.55	[e] 5.26	7.4	.66	1.370	.252	[h] 29.011
Average....	43	8.38	18.61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	4.12	.990	.215	29.016
Less than the Average Number of Deaths. July..	35	6.82	[b] 20.81	[c] 72.27	69	[d] 6.12	3.83	7.85	[e] 3.39	[e] 3.61	6.5	0.00	.549	.105	28.996
April.	28	5.46	[b] 20.63	47.50	59	2.76	1.73	9.95	4.28	4.93	13.8	7.06	.954	[g] .282	28.916
Jan....	22	4.29	17.10	37.10	75	2.22	1.39	10.29	[e] 2.90	[e] 3.16	11.0	2.67	[f] 1.174	[g] .322	28.996
Mar...	22	4.29	[b] 19.45	34.34	63	1.75	1.09	10.59	[e] 3.42	[e] 3.81	12.8	2.00	[f] 1.422	[g] .314	[h] 29.042
May..	20	3.90	[b] 20.65	[c] 66.03	60	[d] 4.76	2.98	8.70	3.81	4.32	10.4	6.81	.922	.157	29.002
June.	19	3.70	18.43	[c] 69.79	67	[d] 5.60	3.50	8.18	[e] 3.53	[e] 3.87	8.3	6.96	.916	.136	28.963
Feb...	13	2.53	18.17	31.60	58	1.74	1.09	10.59	4.38	4.97	12.7	1.85	[f] 1.253	[g] .316	28.973

[a] See foot-notes to Exhibit K, page 266.

[b] Exceptions to the proposition that the Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[c] Exceptions to the proposition that the Average Daily Temperature was *higher* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[d] Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[e] Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[f] Exceptions to the proposition that the Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[g] Exceptions to the proposition that the Average Daily Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[h] Exceptions to the proposition that the Atmospheric Pressure indicated by the Barometer, was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

Typhoid Fever.—An increased mortality from this disease was reported in 1880, and the total number of deaths returned was 513, a number more by 116 than was reported in 1879, and more than for any year since 1874. It exceeds the average annual number of deaths from this disease for the ten years 1871–1880 by 32. The number of deaths from typhoid fever in 1880 was 3.19 per cent. of the deaths from all causes. During the months of August, September, and October, 49.12 per cent. of the deaths from this disease occurred, and 39.77 per cent. of the decedents were between the ages of 15 and 30 years.

Exhibit X permits of the study of deaths from typhoid fever in connection with coincident meteorological conditions. In 1880, this disease was most prevalent or most fatal in months when the barometric pressure was the greatest. To the proposition that the Atmospheric Pressure indicated by the Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*, there were only two exceptions. The evidence of former years also attests the truth of this proposition.

Diarrhea.—The number of deaths from this disease in 1880, was: acute diarrhea, 296; chronic diarrhea, 14; total, 310, or 1.93 per cent. of the deaths from all causes. The number of deaths was 84 more than was returned in 1879, and is a larger mortality than has been returned for any year since 1874. The order of the years 1869–1880, those being placed first in order which show the largest number of deaths from diarrhea, is as follows: 1872, 437; 1870, 407; 1873, 383; 1874, 380; 1869, 311; 1880, 310; 1876, 304; 1877, 290; 1875, 283; 1879, 226; 1871, 216; 1878, 173. In 1880, the largest number of deaths occurred in the month of August, and during the three months of July, August, and September, 72.58 per cent. of all the deaths from this disease occurred; 88.06 per cent. of the decedents from diarrhea were under 5 years of age.

Exhibit 16 shows the relation which the deaths from diarrhea during the months of July and August for each of the years 1872–1880, have to the coincident meteorological conditions. The evidence of Exhibit 16 for 1880, and also for previous years, indicates that a warm, moist atmosphere is usually attended with a large number of deaths from diarrhea.

Exhibit 21 affords an opportunity of studying the relations between deaths from diarrhea for each month of the year 1880, and coincident meteorological conditions. By referring to Exhibit 21, it will be seen that there are only two exceptions to the proposition that more than the average number of deaths occurred in months when the temperature was higher than the average, and *vice versa*.

Table XXI., page 282, combines the data concerning the deaths from diarrhea and dysentery by geographical divisions during the year 1880. The northeastern division has the largest per cent. of deaths from diarrhea, and the northern division has the largest per cent. from dysentery.

EXHIBIT 16.—DIARRHEA.—*Deaths in Michigan from Diarrhea in July and August of each of the Years 1872–1880, the Average for Nine Years ending with 1880, and some coincident Meteorological conditions, at the Agricultural College, Michigan.*

JULY AND AUGUST OF EACH OF THE YEARS 1872-1880.		Number of Deaths from Diarrhea.	Temperature,—F.; Mean of 3 Daily Observations,—7 A. M., 2 P. M., and 9 P. M. Average Range. Daily.	From Day to Day,—2 P. M. to 2 P. M.	Average.	Humidity of Atmosphere, Etc.,—Monthly Averages. Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Ozone,—Relative. Maximum =10. Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.) Range of Barometer. Monthly.	Average, Daily.	Average Pressure.
Average ..	July.	62	16.31	18.92	71.83	75	6.39	2.59	2.17	6.1	3.248	.526	.144	29.008
	Aug..	94	17.10	19.53	69.37	77	6.05	2.79	1.69	1.9	2.784	.505	.131	29.019
1872.....	July.	80	c 16.45	d 19.55	79.91	79	7.33	.88	i 2.23	.....	3.360	.404	.081	j 28.924
	Aug..	145	15.33	17.61	71.22	83	7.15	.98	.99	.....	4.180	.372	.060	j 28.967
1873.....	July.	65	15.35	18.68	e 70.82	78	6.45	i 3.59	i 3.06	.....	5.124	.453	.083	j 28.914
	Aug..	105	c 18.55	d 21.32	69.49	81	6.29	i 3.55	i 2.65	.....	f .796	.574	.084	j 28.927
1874.....	July.	61	17.68	21.35	e 72.02	71	6.00	i 1.80	i 1.50	.....	2.560	.465	.078	28.907
	Aug..	104	c 17.23	d 19.61	69.39	g 74	h 5.75	i 2.80	1.10	.....	f 1.278	.503	.065	j 28.924
1875.....	July.	56	c 16.26	d 18.26	69.67	g 78	5.91	3.52	3.22	.....	2.420	.584	.096	j 29.044
	Aug..	80	c 16.90	d 18.61	65.48	77	5.22	3.50	3.70	.....	1.470	.806	.652	j 29.025
1876.....	July.	69	15.87	17.90	72.48	78	6.76	2.16	1.58	.....	f 2.100	.507	.070	29.009
	Aug..	98	c 17.74	d 20.97	71.55	g 76	6.31	1.97	1.26	.....	f 1.280	.459	.061	29.048
1877.....	July.	55	18.39	20.42	71.43	70	5.76	2.71	i 1.77	.....	2.250	.655	.088	j 29.062
	Aug..	96	c 17.45	19.48	e 68.46	78	h 5.74	i 3.42	1.03	.....	6.570	.401	.056	29.046
1878.....	July.	39	c 14.32	d 18.10	e 73.04	68	h 6.83	i 2.10	i 1.74	3.1	2.960	.611	.068	j 29.085
	Aug..	47	17.71	19.74	e 70.15	74	h 6.06	i 2.32	i .52	3.1	1.850	.434	.065	29.010
1879.....	July.	44	16.81	d 18.90	e 74.03	71	6.30	2.90	i 2.13	8.6	2.190	.608	.073	j 29.057
	Aug..	82	19.06	20.90	e 70.00	70	5.58	i 2.58	1.76	8.4	1.610	.355	.068	j 29.100
1880.....	July.	86	15.68	17.16	e 63.04	78	h 6.20	i 3.61	i 2.23	6.5	6.270	.449	.057	29.068
	Aug..	90	c 13.90	d 17.55	68.58	g 82	h 6.32	3.97	2.23	5.9	f 6.020	.640	.071	j 29.126

[a] See foot-notes to Exhibit K, page 266.

[c] Exceptions to the proposition that the Average Daily Range of Temperature was *less* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

[d] Exceptions to the proposition that the Average Range of Temperature "from day to day" was *less* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

[e] Exceptions to the proposition that the Average Temperature was *higher* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

[f] Exceptions to the proposition that the amount of rain and melted snow was *greater* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

[g] Exceptions to the proposition that the Average Relative Humidity was *greater* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

[h] Exceptions to the proposition that the Absolute Humidity was *greater* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

[i] Exceptions to the proposition that the Day or Night Ozone was *less* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

[j] Exceptions to the proposition that the Atmospheric Pressure was *more* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

EXHIBIT 21.—DIARRHEA.—*Deaths Returned as having occurred in Michigan from Diarrhea, by Months, during the Year 1880, and some coincident Meteorological conditions at the Office of the State Board of Health, at Lansing.*

Months in Order by Number of Deaths from Diarrhea, Greatest First.	Deaths from Diarrhea, 1880.		Temperature,—Degrees Fahr.		Inches of Rain and Melted Snow.	Humidity of Atmosphere. Av. of Obs. at 7 A. M., 2 P. M., and 9 P. M., daily.		Ozone, Relative.—Scale of 10 Degrees of Coloration.		Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
	Number.	Per Cent. of Total.	Average Daily Range during day and following night, by Reg'ng Therm'ters. Observed at 7 A.M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.		Relative Humidity, or Per Cent. of Saturation.	Absolute Humidity,—Grains of Vapor in a Cubic Foot of Air.[a]	Day Observation,—7 A. M. to 2 P. M.	Night Observation,—9 P. M. to 7 A. M.		Range of Barometer. Monthly, and for Year.	Range of Barometer. Average Daily Range of Observations at 7 A. M., 2 P. M., and 9 P. M.	Average Pressure.
Year 1880	310	100.00	18.61	49.25	49.54	68	3.49	3.70	4.14	9.4	1.514	.215	29.016
More than the Av. No. of Deaths. Aug.	90	29.03	20.65	70.70	6.02	d 72	6.06	2.90	2.87	5.9	g .644	h .121	29.052
July	86	27.74	20.81	72.27	6.00	d 69	6.12	3.39	3.61	6.5	g .549	h .105	i 28.996
Sept.	49	15.81	21.17	61.71	4.13	d 69	4.72	f 3.73	3.60	8.1	g .643	h .129	29.058
Average	26	8.39	18.61	49.25	4.12	68	3.49	3.70	4.14	9.4	.990	.215	29.016
Less than the Average No. of Deaths. June	23	7.42	18.43	c 69.79	6.96	d 67	e 5.60	f 3.53	f 6.87	8.3	.916	.136	28.983
Oct.	17	5.48	b 20.16	48.99	2.84	69	3.16	f 3.19	f 3.71	7.8	g 1.022	.215	i 29.043
May	9	2.90	b 20.65	c 66.03	6.81	d 60	e 4.76	3.81	4.32	10.4	.922	.157	29.002
Nov.	9	2.90	15.33	29.17	2.38	72	1.67	4.33	5.60	8.6	g 1.014	h .234	i 29.113
Dec.	7	2.26	10.74	21.80	.66	78	1.30	4.55	5.26	7.4	g 1.370	h .252	29.011
Feb.	6	1.94	18.17	31.60	1.85	d 58	1.74	4.38	4.97	12.7	g 1.253	h .316	28.973
March	6	1.94	b 19.45	34.34	2.00	d 63	1.75	f 3.42	f 3.81	12.8	g 1.422	h .314	i 29.042
Jan.	5	1.61	17.10	37.10	2.67	75	2.22	f 2.90	f 3.16	11.0	g 1.174	h .322	28.998
April	3	.97	b 20.63	47.50	7.06	d 59	2.76	4.28	4.93	13.3	.954	h .282	28.916

[a] See foot-notes to Exhibit K, page 266.

[b] Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Average Daily Range of Temperature was *greater* than the average, and *vice versa*.

[c] Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Average Daily Temperature was *higher* than the average, and *vice versa*.

[d] Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Relative Humidity of the Atmosphere was *less* than the average, and *vice versa*.

[e] Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Absolute Humidity of the Atmosphere was *greater* than the average, and *vice versa*.

[f] [illegible] e proposition that *more* than the average number of deaths from Diarrhea [illegible] hen the Amount of Ozone in the Atmosphere was *less* than the average, and [illegible]

[g] [illegible] position that *more* than the average number of deaths from Diarrhea [illegible] he Monthly Range of Barometer was *greater* than the average, and *vice* [illegible]

[h] [illegible] osition that *more* than the average number of deaths from Diarrhea [illegible] Average Daily Range of Barometer was *greater* than the average, and [illegible]

[i] [illegible] ition that *more* than the average number of deaths from Diarrhea [illegible] Average Daily Pressure of the Atmosphere was *greater* than the [illegible]

TABLE XXI.—DIARRHEA AND DYSENTERY.—*Exhibiting for the State and for Eleven Geographical Divisions of the State, during the Year 1880, the Number of Deaths Returned as having occurred from Diarrhea and from Dysentery, and the Per Cent. of Deaths from each Disease to Deaths from All Causes.*

STATE AND GEOGRAPHICAL DIVISIONS.[a]	DIARRHEA, 1880. ACUTE AND CHRONIC.		DYSENTERY, 1880. ACUTE AND CHRONIC.	
	Number of Deaths, 1880.	Per Cent. to Deaths from All Causes, by Geographical Divisions.	Number of Deaths, 1880.	Per Cent. to Deaths from All Causes, by Geographical Divisions.
STATE	310	1.93	160	.99
Upper-peninsular	22	2.17	11	1.09
Northwestern	5	1.29	4	1.03
Northern	3	1.26	5	2.09
Northeastern	12	7.50	1	.63
Western	31	1.49	26	1.25
Northern-central	4	.79	7	1.38
Bay and Eastern	40	1.67	21	.87
Central	24	1.00	19	.79
Southwestern	13	1.28	7	.69
Southern-central	19	.75	29	1.15
Southeastern	137	4.65	30	.89

[a] For counties included in each Division, see page 166.

Dysentery.—This disease was recorded as the cause of 155 deaths in 1880, an increase of 22 over the number registered in 1879. Over two-thirds of the deaths from dysentery occurred in July, August, and September; and 78.71 per cent. of the decedents were under five years of age.

Rheumatism.—During the year 1880, according to the returns, 72 deaths occurred from rheumatism in the State. The deaths are distributed very equally throughout the different months of the year; the month of May having the largest mortality, and the month of February the smallest. Exhibit 19 shows that there are only two exceptions to the proposition that the air contained more than the average amount of vapor of water in months when more than the average number of deaths from rheumatism occurred, and *vice versa*.

EXHIBIT 19.—RHEUMATISM.—*Deaths returned as having occurred in Michigan from Rheumatism, by Months, during the Year 1880, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Rheumatism,* Greatest First.		Deaths.		Temperature,—Degrees Fahr.		Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.				Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° Fahr.)		
														Range of Barometer.		
		Number.	Per Cent. of Total.	Average Daily Range during Day and following Night, by Registering Therm'rs. Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Rain and Melted Snow, in Inches.	Monthly, and Year.	Average, Daily.	Average Pressure.
Year, 1880		*72	100.00	18.61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	49.54	1.514	.215	29.016
More than the Av. No. of Deaths.	May	10	13.89	20.65	66.03	60	4.76	2.98	8.70	c 3.31	e 4.32	10.4	6.81	.922	.157	d 29.002
	Sept.	9	12.50	21.17	61.71	69	4.72	2.95	8.73	c 3.73	3.60	8.1	4.13	.643	.129	29.058
	July	8	11.11	20.81	72.27	69	6.12	3.83	7.85	3.39	3.61	6.5	6.00	.549	.105	d 28.996
	April	6	8.33	20.63	47.50	59	b 2.76	1.73	9.95	c 4.28	c 4.93	13.8	7.06	.954	.282	d 28.916
	June	6	8.33	18.43	69.79	67	5.60	3.50	8.18	3.53	3.87	8.3	6.96	.916	.136	d 28.983
Average		6	8.33	18.61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	4.12	.990	.215	29.016
Less than the Av. No. of Deaths.	Oct.	6	8.33	20.16	48.99	69	3.16	1.98	9.70	c 3.19	e 3.71	7.8	2.84	1.022	.215	d 29.043
	Nov.	6	8.33	15.33	29.17	72	1.67	1.04	10.64	4.33	5.60	8.6	2.38	1.014	.234	d 29.113
	Jan.	5	6.94	17.10	37.10	75	2.22	1.39	10.29	e 2.90	e 3.16	11.0	2.67	1.174	.322	28.998
	Dec.	5	6.94	10.74	21.80	78	1.30	.81	10.87	4.55	5.26	7.4	.66	1.370	.252	29.011
	March	4	5.56	19.45	34.34	63	1.75	1.09	10.59	c 3.42	c 3.81	12.8	2.00	1.422	.314	d 29.042
	Aug.	4	5.56	20.65	70.70	72	b 6.06	3.79	7.89	c 2.90	c 2.87	5.9	6.02	.644	.121	d 29.052
	Feb.	3	4.17	18.17	31.60	58	1.74	1.09	10.59	4.38	4.97	12.7	1.85	1.253	.316	28.973

* Includes Rheumatism of Heart, Inflammatory, Sciatic, Spinal, and Rheumatism.

[a] See foot-notes to Exhibit K, page 266.

[b] Exceptions to the proposition that the air contains *more* than the average amount of vapor of water in months when *more* than the average number of deaths from Rheumatism occurred, and *vice versa*.

[c] Exceptions to the proposition that there was *less* than the average Ozone in the air in months when *more* than the average number of deaths from Rheumatism occurred, and *vice versa*.

[d] Exceptions to the proposition that the Atmospheric Pressure was *greater* than the average in months when *more* than the average number of deaths from Rheumatism occurred, and *vice versa*.

EXHIBIT Y.—SCARLET FEVER.—*Deaths returned as having occurred from Scarlet Fever in Michigan during the year 1880, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Scarlet Fever, Greatest First.		Deaths from Scarlet Fever, 1880.		Temperature,—Degrees Fahr.		Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.			
		Number.	Per Cent. of Total.	Average Daily Range during Day and following Night by Reg. Therm'rs. Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours, in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahr.)
Year, 1880		[b]369	100.00	18.61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	29.016
More than the Av. No. of Deaths.	November	46	12.47	15.33	29.17	72	1.67	1.04	10.64	4.33	5.60	8.6	29.113
	December	43	11.65	10.74	21.80	78	1.30	0.81	10.87	4.55	5.26	7.4	29.011
	April	42	11.38	[c] 20.63	47.50	59	2.76	1.73	9.95	4.28	4.93	13.8	28.916
	May	35	9.49	[c] 20.65	[c] 66.03	60	[d] 4.76	2.96	8.70	3.81	4.32	10.4	29.002
	August	34	9.21	[c] 20.65	[c] 70.70	72	[d] 6.06	3.79	7.89	2.90	2.87	5.9	29.052
Average		31	8.40	18 61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	29.016
Less than the Av. No. of Deaths.	March	30	8.13	19.45	[c] 34.34	63	[d] 1.75	1.09	10.59	3.42	3.81	12.6	29.042
	October	28	7.59	20.16	[c] 48.99	69	[d] 3.16	1.98	9.70	3.19	3.71	7.8	29.043
	January	25	6.78	[c] 17.10	[c] 37.10	75	[d] 2.22	1.39	10.29	2.90	3.16	11.0	28.992
	June	23	6.23	[c] 18.43	69,79	67	5.60	3.50	8.18	3.53	3.87	8.3	28.963
	February	22	5.96	[c] 18.17	[c] 31.60	58	[d] 1.74	1.09	10.59	4.38	4.97	12.7	28.973
	September	21	5.69	21.17	61.71	69	4.72	2.95	9.73	3.73	3.60	8.1	29.058
	July	20	5.42	20.81	72.27	69	6.12	3.83	7.85	3.39	3.61	6.5	28.996

[a] See foot-notes to Exhibit K, page 266.
[b] Excluding 1 in unknown month.
[c] Exceptions to the proposition that the Temperature was *lower* than the average in months when *more* than the average number of deaths from Scarlet Fever occurred, and *vice versa*.
[d] Exceptions to the proposition that the Absolute Humidity of the Atmosphere was *less* than the average in months when *more* than the average number of deaths from Scarlet Fever occurred, and *vice versa*.

Scarlet Fever.—It is gratifying to note that the record of the mortality from this disease in 1880 is smaller than for any year since 1869. The annual average number of deaths for the ten years, 1870–1879, was 521, which is more by 151 than the number returned for 1880. The per cent. of deaths from scarlet fever to deaths from all causes in 1880 is 2.30; this is the smallest per cent. which has been returned for any of the years 1869–1879, and the order of the years, greatest first, is: 1870, 7.91; 1871, 7.15; 1872, 4.20; 1873, 4.02; 1875, 3.53; 1874, 3.52; 1878, 3.36; 1876, 3.17; 1877, 3.13; 1879, 2.90; 1869, 2.76; 1880, 2.30. In 1880, scarlet fever prevailed most during the months of November, December, April, and May; those months having

contributed 44.86 per cent. of all the deaths from this disease. Nearly two-thirds of the decedents were under five years of age, and 89.73 per cent. were under the age of ten years. The male decedents exceeded the female decedents in all the years but two.

Exhibit Y affords an opportunity of studying the relation of scarlet fever to the coincident meteorological conditions in 1880.

Consumption.—The number of deaths registered in 1880 as caused by this disease was 1,829 or 11.36 per cent. of the deaths from all causes. This is the largest mortality from consumption that has ever been returned to the State Department, and it still holds its accustomed place at the head of the list of fatal diseases. By reference to table XVII., page 209, it will be seen that the deaths from consumption are very uniformly distributed throughout all the months of the year, and that the different seasons appear to have but little influence in promoting the fatality of the disease. Making the comparison according to the quarters of the year, shows the following: first quarter, 424; second quarter, 432; third quarter, 487; and fourth quarter, 480. For 1880, the greatest number of deaths occurred in the month of September, and the smallest number in June.

Most of its victims in this State are from the female sex, and between the ages of fifteen and thirty years, the excess of females in 1880 being 135. This marked disparity between the two sexes, as regards the number of decedents, has been the case in every year since the compilation began, and is very significant, when it is remembered that the male population outnumbers the female population in this State. According to the U. S. Census of 1880, the excess of male inhabitants was 87,773.

EXHIBIT N.—CONSUMPTION.—*By Sex, the Number of Deaths Returned as having occurred in Michigan from Consumption during the Year 1880, by Months Equalized to Uniform length of 30.44 days each; also the Average Number per Month.* (*Deaths in unknown month excluded.*)

SEX.	TOTAL.	DEATHS FROM CONSUMPTION IN 1880, BY MONTHS OF EQUAL LENGTH.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Monthly Av.
Total....	[a] 1,822	126	131	168	161	150	123	150	149	187	126	176	175	151.83
Males....	844	56	59	85	77	70	56	70	68	79	59	89	76	70.33
Females.	978	70	72	83	84	80	67	80	81	108	67	87	99	81.50

[a] Excluding 6 deaths in unknown month, and 1 female lost in equalizing. The number of deaths from consumption, as returned, is 1,829.

EXHIBIT O.—CONSUMPTION.—*Deaths from Consumption, Returned as having occurred in Michigan, by Months, during the Year 1880, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Consumption, Greatest First.	Deaths fom Consumption, 1880.		Temperature,—Degrees Fahr.		Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.		Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahr.)
	Number.	Per Cent. of Total.	Average Daily Range during Day and following Night by Reg. Therm'trs. Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
Year, 1880	[b]1,823	100.00	18.61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	29.016
More than the Average Number of Deaths. Sept.	184	10 09	21.17	61.71	69	4.72	2.95	8.73	3.73	3.60	8.1	29.058
Dec.	178	9.76	[c] 10.74	[c] 21.80	78	1.30	[d] 0.81	10.87	4.55	5.26	7.4	29.011
Nov.	174	9.54	[c] 15.33	[c] 29.17	72	1.67	[d] 1.04	10.64	4.33	5.60	8.6	29.113
March	171	9.38	19.45	[c] 34.34	63	1.75	[d] 1.09	10.59	3.42	3.81	12.8	29.042
April	159	8.72	20.63	[c] 47.50	59	2.76	[d] 1.73	9.95	4.28	4.93	13.3	28.916
May	152	8.34	20.65	66.03	60	4.76	2.98	8.70	3.81	4.32	10.4	29.002
July	152	8.34	20.81	72.27	69	6.12	3.83	7.85	3.39	3.61	6.5	28.996
Average	151.9	8.33	18.61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	29.016
Less than Av. No. of Deaths. Aug.	151	8.28	[c] 20.65	[c] 70.70	72	6.06	[d] 3.79	7.89	2.90	2.87	5.9	29.052
Jan.	128	7.02	17.10	37.10	75	2.22	1.39	10.29	2.90	3.16	11.0	28.998
Oct.	128	7.02	[c] 20.16	48.99	69	3.16	1.98	9.70	3.19	3.71	7.8	29.043
Feb.	125	6.86	18.17	31.60	58	1.74	1.09	10.59	4.38	4.97	12.7	28.973
June	121	6.64	18.43	[c] 69.79	67	5.60	[d] 3.50	8.18	3.53	3.87	8.3	28.933

[a] See foot-notes to Exhibit K, page 266.
[b] Excluding 6 in unknown month.
[c] Exceptions to the proposition that the Temperature was *higher* than the average in months when *more* than the average number of deaths from Consumption occurred, and *vice versa*.
[d] Exceptions to the proposition that *more* than an average amount of vapor was inhaled in months in which there was *more* than the average number of deaths from Consumption, and *vice versa*.

EXHIBIT 18.—PNEUMONIA.—*Deaths in Michigan from Pneumonia in February and March of each of the Years 1872–1880, the Average for Nine Years ending with 1880, and some coincident Meteorological conditions, at the Agricultural College, Michigan.*

February and March of each of the Years 1872–1880.		Number of Deaths from Pneumonia.	Temperature,—F.: Mean of 3 Daily Observations—7 A.M., 2 P.M., and 9 P.M. Average Range. Daily.	From Day to Day, 2 P.M. to 2 P.M.	Average.	Humidity of Atmosphere, Etc.,—Monthly Averages. Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor, in Cubic Foot of Air.[a]	Ozone,—Relative. Maximum = 10. Day,—7 A.M. to 2 P.M.	Night,—9 P.M. to 7 A.M.	Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.) Range of Barometer. Monthly.	Average, Daily.	Average Pressure.
Av.	February	76	14.79	17.67	23.52	86	1.49	4.80	5.61	8.9	1.537	1.094	.162	28.988
	March	94	14.22	16.72	30.69	84	1.83	4.81	5.66	10.6	1.729	1.199	.174	28.969
1872	February	64	20.41	23.21	21.34	[i] 84	[k] 1.23	[m] 4.00	6.00	.....	.490	1.107	.111	[q] 28.842
	March	75	17.32	19.97	24.75	85	[f] 1.32	[n] 3.00	5.71	.....	2.040	1.121	.166	[r] 28.911
1873	February	110	14.61	18.71	[g] 19.10	[i] 91	1.43	4.21	[o] 5.93	.....	.770	.842	.197	28.847
	March	80	[d] 14.16	[f] 16.61	28.30	[j] 71	[l] 1.52	[n] 4.09	5.80	.....	1.730	1.307	.218	[r] 28.852
1874	February	57	[c] 12.32	[e] 14.07	[g] 25.51	89	1.55	5.53	6.10	.....	1.550	1.367	.171	[q] 28.928
	March	108	13.52	16.45	32.30	83	[l] 2.00	[n] 5.00	[p] 6.00	.....	1.786	1.081	.133	28.895
1875	February	116	20.14	21.57	[g] 8.35	[i] 94	.73	[m] 5.78	[o] 6.57	.....	2.198	1.231	.206	28.875
	March	128	15.48	16.68	[h] 26.20	[j] 87	1.63	[n] 5.70	[p] 6.19	.....	1.020	1.231	.163	28.844
1876	February	71	[c] 12.76	[e] 16.66	[g] 27.38	[i] 84	1.59	5.76	7.27	.....	3.040	1.033	.176	29.063
	March	107	12.84	14.39	[h] 30.55	[j] 95	1.78	[n] 6.06	[p] 7.00	.....	4.840	1.812	.223	28.929
1877	February	56	14.79	17.71	[g] 32.31	[i] 85	1.85	[m] 4.54	[o] 4.14	.....	.000	1.007	.122	29.124
	March	64	15.29	17.29	24.51	91	[l] 1.53	5.29	6.06	.....	.560	1.119	.151	28.981
1878	February	87	[c] 14.59	[e] 15.93	[g] 28.07	89	1.91	5.00	[o] 5.33	5.0	2.740	1.033	.123	29.026
	March	59	[d] 12.06	16.77	[h] 40.90	[j] 83	2.80	[n] 4.68	[p] 4.94	6.7	.312	.942	.181	29.027
1879	February	92	11.46	14.79	[g] 20.40	[i] 92	1.23	4.54	5.01	.....	1.430	.964	.151	[q] 29.107
	March	114	12.74	15.65	33.19	78	[l] 1.93	3.93	4.30	12.4	1.570	.796	.137	[r] 29.102
1880	February	82	12.00	16.41	29.19	68	[k] 1.92	3.83	4.17	12.7	1.620	1.241	.197	[q] 29.077
	March	111	14.61	16.65	35.50	79	[l] 1.97	[n] 5.52	4.94	12.8	1.700	1.380	.197	[r] 29.181

[a] See foot notes to Exhibit K, page 266.

[c] Three out of nine cases in which the Average Daily Range of Temperature and the deaths were both *less* than the average.

[d] Two out of nine cases in which the Average Daily Range of Temperature and the deaths were both *less* than the average.

[e] Three out of nine cases in which the Range of Temperature "from day to day" and the deaths were both *less* than the average.

[f] One out of nine cases in which the Range of Temperature "from day to day" and the deaths were both *less* than the average.

[g] Seven out of nine cases in which the Average Temperature was *higher* and the deaths *less* than the average, or *vice versa*.

[h] Three out of nine cases in which the Average Temperature was *higher* and the deaths *less* than [illegible]erage, or *vice versa*.

[i] [illegible] of nine cases in which the Relative Humidity and the deaths were both *less* than the [illegible]th *greater* than the average.

Exhibit 21 continued at bottom of page 288.]

Pneumonia.—This disease was more destructive than usual in 1880, the deaths reported from it being 812; a total more by 111 than the number recorded in 1879. In every year there has been an excess of deaths of males from pneumonia. The greatest fatality occurred in the months of March, April, and December; and the smallest number returned for a single month was 29, in July. Nearly one-half, or 44.58 per cent. of all the deaths from this disease occurred in the first four months of the year. Of the 812 deaths, 328, or 40.39 per cent., were children under five years of age; and 28.69 per cent. were of persons over fifty years of age.

Exhibits 18 and P facilitate the study of deaths from this disease with meteorological conditions. The former shows the relations of meteorological conditions in February and March for the several years 1872–1880, with deaths from Pneumonia in those months for the given years; while the latter shows the influence of meteorological conditions upon deaths from Pneumonia for each month of the year 1880. By examining these exhibits, it will be seen that several atmospheric conditions bear close relations to the deaths from this disease.

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[j] Four out of nine cases in which the Relative Humidity and the deaths were both *less* than the average, or both *greater* than the average.

[k] Two out of nine cases in which the Absolute Humidity and the deaths were both *less* than the average, or both *greater* than the average.

[l] Six out of nine cases in which the Absolute Humidity and the deaths were both *less* than the average, or both *greater* than the average.

[m] Three out of nine cases in which the Day Ozone and the deaths were both *less* than the average, or both *greater* than the average.

[n] Seven out of nine cases in which the Day Ozone and the deaths were both *less* than the average, or both *greater* than the average.

[o] Four out of nine cases in which the Night Ozone and the deaths were both *less* than the average, or both *greater* than the average.

[p] Four out of nine cases in which the Night Ozone and the deaths were both *less* than the average, or both *greater* than the average.

[q] Four out of nine cases in which the Pressure of the Atmosphere and the deaths were both *less* than the average, or both *greater* than the average.

[r] Four out of nine cases in which the Pressure of the Atmosphere and the deaths were both *less* than the average, or both *greater* than the average.

EXHIBIT P.—PNEUMONIA.—*Deaths returned as having occurred from Pneumonia, in Michigan during the Year 1880, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Pneumonia, Greatest First.	Deaths from Pneumonia, 1880.		Temperature,—Degrees Fahr.		Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.		Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahr.)
	Number.	Per Cent. of Total.	Average Daily Range during Day and following Night, by Reg. Therm'r. Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours, in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
Year, 1880	[b]811	100.00	18.61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	29.016
More than the Av. No. of Deaths.												
April	113	13.93	[c] 20.63	47.50	59	2.76	1.73	9.95	4.28	4.93	13.8	28.916
March	111	13.69	[c] 19.45	34.34	63	1.75	1.09	10 59	3.42	3 81	12.8	29.042
December	105	12.95	10.74	21.80	78	1.30	0.81	10.87	4.55	5.26	7.4	29.011
February	82	10.11	18.17	31.60	53	1.74	1.09	10.59	4.38	4.97	12.7	28.973
May	79	9.74	[c] 20.65	[c] 66.03	60	4.76	[d] 2.98	8.70	3.81	4.32	10.4	29.002
November	68	8.38	15.83	29.17	72	1.67	1.04	10.64	4.33	5.60	8.6	29.113
Average	67.6	8.34	18.61	49.25	68	3.49	2.18	9.50	3.70	4.14	9.4	29.016
Less than the Av. No. of Deaths.												
January	56	6.91	[c] 17.10	[c] 37.10	75	2.22	[d] 1.39	10.29	2.90	3.16	11.0	28.998
September	51	6.29	21.17	61.71	69	4.72	2.95	8.73	3.73	3.60	8.1	29.058
October	44	5.43	20.16	[c] 48.99	69	3.16	[d] 1.98	9.70	3.19	3.71	7.8	29.043
June	37	4.56	[c] 18.43	69.79	67	5.60	3.50	8.18	3.53	3.87	8.3	28.983
August	36	4.44	20.65	70.70	72	6.06	3.79	7.89	2.90	2.87	5.9	29.052
July	29	3.58	20.81	72.27	69	6.12	3.83	7.85	3.39	3.61	6.5	28.996

[a] See foot-notes to Exhibit K, page 266.
[b] Excluding 1 in unknown month.
[c] Exceptions to the proposition that the Temperature was *lower* than the average in months when *more* than the average number of deaths from Pneumonia occurred, and *vice versa*.
[d] Exceptions to the proposition that *less* than an average amount of vapor was inhaled in months when *more* than the average number of deaths from Pneumonia occurred, and *vice versa*.

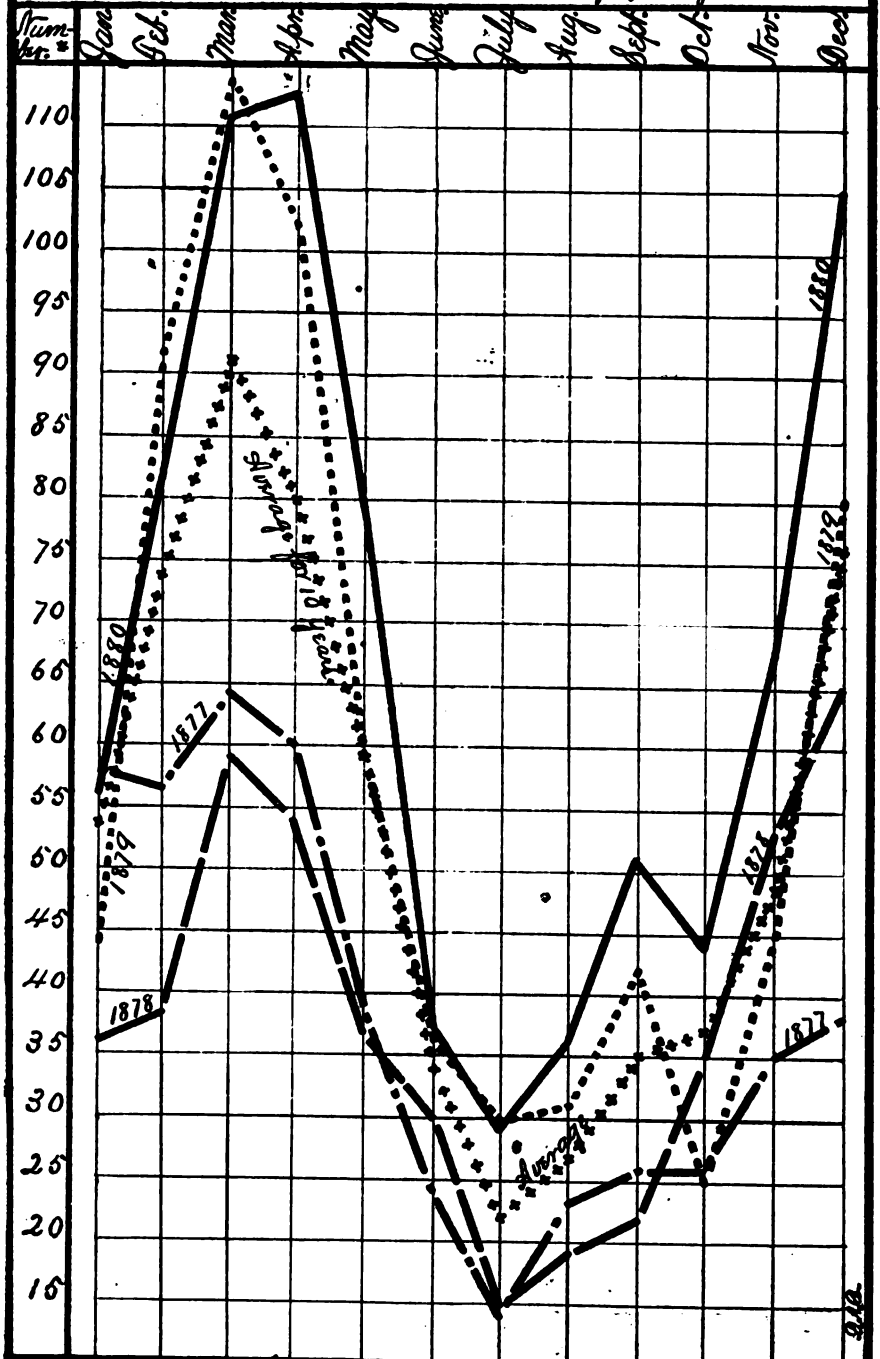
EXHIBIT 17.—PNEUMONIA.—*By Months, the Number of Deaths Returned as having occurred from Pneumonia, in Michigan, during each of the Years 1871–1880, and the average for Ten Years ending with 1880.*

YEARS.	TOTALS.	DEATHS FROM PNEUMONIA, 1871–1880.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
1871.....	441	41	50	64	41	27	18	17	19	38	28	34	63	1
1872.....	641	46	64	75	79	53	28	26	31	29	56	63	89	2
1873.....	706	84	110	80	58	65	55	20	29	34	37	65	68	1
1874.....	800	49	57	108	141	103	46	29	32	46	39	50	93	2
1875.....	745	85	116	128	88	73	36	21	17	31	42	41	65	2
1876.....	627	43	71	107	68	50	33	20	37	28	38	40	91	1
1877.....	465	58	56	64	60	39	24	14	23	26	26	35	38	2
1878.....	462	36	37	59	54	37	30	15	19	22	35	53	65	.....
1879.....	701	44	92	114	102	59	36	30	31	42	25	45	80	1
1880.....	812	56	82	111	113	79	37	29	36	51	44	63	105	1
Average for 10 y'rs	640	54	74	91	80	59	34	22	27	35	37	49	76	1

The number of deaths from pneumonia, by months, for each of the years 1871–1880 may be seen in Exhibit 17. There were more deaths in 1880 than for any of the previous years, and in Diagram No. 9, page 291, may be traced the lines representing the deaths from this disease for each of the years 1877, 1878, 1879, 1880, and the average for ten years. The line showing the deaths from pneumonia in 1880 is much higher throughout the year than the line representing the average for ten years.

Diagram No. 9.

Deaths Returned as having Occurred in Michigan from Pneumonia in 1877, 1878, 1879, and 1880, and Average for 10 Years, 1871-1880.



* Scale = 15 1/2 to the inch.

Designed by Henry B. Baker.

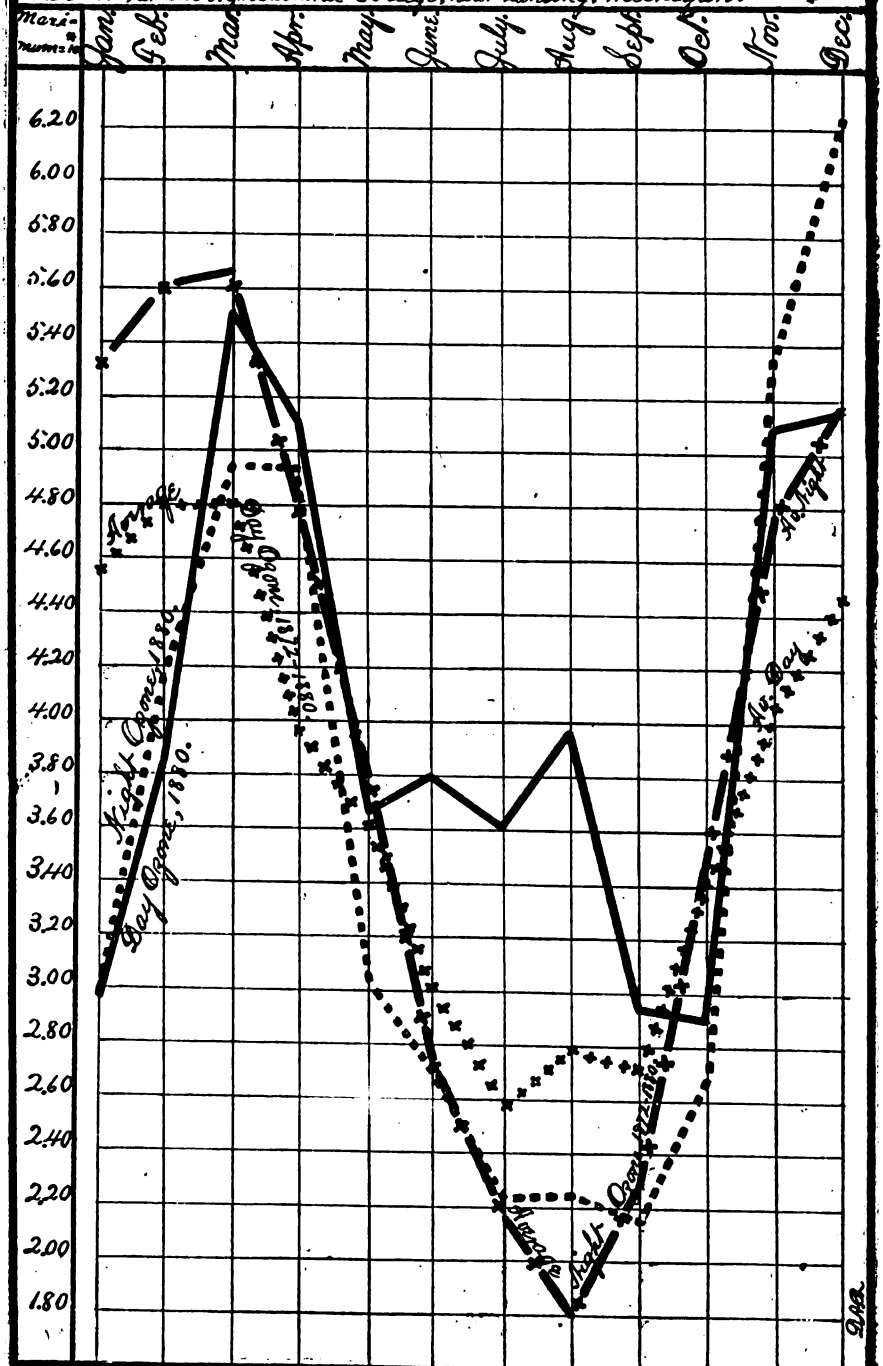
EXHIBIT 20—*Relative Amount of Ozone in Air from 9 P. M. to 7 A. M.,—Night Observations,—by Months, during the Years 1872–1880, and the Average for 9 years ending with 1879; also, the Average for 9 years ending with 1880, from 7 A. M. to 2 P. M.,—Day Observations, at the Agricultural College, near Lansing, Michigan.*

YEARS.		Annual Average.	Ozone Observations, by Months.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Day	1872	2.82	4.50	4.00	3.00	2.63	2.14	1.91	.88	.98	1.40	1.93	4.60	5.81
	1873	4.02	5.06	4.21	4.09	3.76	4.58	3.26	3.59	3.55	2.30	4.52	4.30	4.97
	1874	4.10	5.10	5.53	5.00	5.70	5.80	3.50	1.80	2.80	2.90	3.32	3.80	4.00
	1875	4.53	5.52	5.78	5.70	3.73	3.19	3.96	3.52	3.50	4.30	5.30	4.90	5.00
	1876	3.68	5.32	5.76	6.06	3.70	3.10	1.87	2.16	1.97	2.60	3.45	3.57	4.57
	1877	3.66	4.87	4.54	5.29	3.70	3.29	3.17	2.71	3.42	2.93	3.20	3.60	3.17
	1878	3.50	3.74	5.00	4.68	4.37	3.97	3.17	2.10	2.32	2.23	2.71	3.17	4.55
	1879	3.24	4.00	4.54	3.93	3.00	2.79	2.43	2.90	2.58	2.87	3.32	3.53	2.97
	1880	4.05	2.97	3.83	5.52	5.10	3.65	3.80	3.61	3.97	2.93	2.90	5.10	5.16
Av. for 9 years		3.73	4.56	4.80	4.81	3.97	3.61	3.01	2.58	2.79	2.72	3.41	4.06	4.47
Night	1872	4.24	5.44	6.00	5.71	5.30	3.84	3.23	2.28	.99	1.86	3.18	6.17	6.84
	1873	4.63	6.32	5.93	5.80	4.27	4.59	2.66	3.06	2.65	4.27	4.69	5.47	5.89
	1874	3.99	6.39	6.10	6.00	6.60	4.90	2.34	1.50	1.10	1.20	3.01	4.50	4.20
	1875	5.04	5.93	6.57	6.19	3.96	4.03	3.66	3.22	3.70	3.68	6.20	6.60	6.70
	1876	4.11	6.90	7.27	7.00	5.53	4.13	2.27	1.58	1.26	1.73	3.48	3.33	4.81
	1877	3.33	5.03	4.14	6.06	4.27	2.94	2.90	1.77	1.03	1.53	3.19	3.73	3.37
	1878	3.42	4.48	5.33	4.94	4.53	4.10	3.00	1.74	1.52	1.60	1.97	3.14	4.74
	1879	3.36	4.48	5.01	4.30	4.00	2.68	2.03	2.13	1.76	2.53	2.81	4.63	3.87
	1880	3.63	2.97	4.17	4.94	4.93	3.03	2.70	2.23	2.23	2.15	2.68	5.33	6.23
Av. for 9 years		3.97	5.33	5.61	5.66	4.82	3.80	2.75	2.17	1.80	2.28	3.47	4.77	5.18

The relative amount of Ozone in the air for day and night observations may be seen in Exhibit 20 and Diagram No. 10. It may be seen that the observations of Ozone show a greater amount during the cold months of the year than in the warm months. This fact is clearly indicated by the rise and fall of the lines in Diagram No. 10.

Diagram No. 10.

Relative Amount of Ozone in Air from 9 P.M. to 7 A.M. - Night Observations - and from 7 A.M. to 2 P.M. - Day Observations - in 1880, and the Average for 9 Years ending with 1880, at the Agricultural College, near Lansing, Michigan.



* Scale = .71 to the inch.

Designed by Henry P. Baker.

CORRELATION OF CONSUMPTION AND PNEUMONIA.

The opposite relations which seem to exist between deaths from Consumption and deaths from Pneumonia may be studied in Tables XXII. and XXIII. The evidence in regard to these two diseases tends to show that the conditions attending deaths from one disease are the opposite of those attending deaths from the other.

TABLE XXII.—CORRELATION OF CONSUMPTION AND PNEUMONIA.—*Deaths Returned as having occurred from Consumption and Pneumonia, in Michigan, during the Year 1880, by Months, Exhibiting the Total Number, Number of each Sex, Per Cent. of Total, and Excess of each Sex.*

MONTHS, 1880.	CONSUMPTION, 1880.								PNEUMONIA, 1880.							
	Number.			Per Cent. of deaths in each Month to Total for Year.	Per Cent. of each Sex to Total of both Sexes.				Number.			Per Cent. of deaths in each Month to Total for Year.	Per Cent. of each Sex to Total of both Sexes.			
	Males.	Females.	Total.		Males.	Females.	Excess. Males.	Excess. Females.	Males.	Females.	Total.		Males.	Females.	Excess. Males.	Excess. Females.
Year, 1880	847	982	1,829	100.00	46.31	53.69	.....	7.38	479	333	812	100.00	58.99	41.01	17.98	.....
January	57	71	128	7.00	44.53	55.47	c	10.94	33	23	56	6.90	58.93	41.07	17.86	c
February	b 56	b 69	b 125	6.83	44.80	55.20	c	10.40	b 49	b 33	b 82	10.10	59.76	40.24	19.52	c
March	86	85	171	9.35	50.29	49.71	.58	.....	64	47	111	13.67	57.66	42.34	15.32	.....
April	76	83	159	8.69	47.80	52.20	c	4.40	70	43	113	13.92	61.95	38.05	23.90	c
May	71	b 81	152	8.31	46.71	53.29	c	6.58	42	b 37	79	9.73	53.16	46.84	6.32	c
June	55	66	121	6.62	45.45	54.55	c	9.10	20	17	37	4.56	54.05	45.95	8.10	c
July	b 71	81	152	8.31	46.71	53.29	c	6.58	b 16	13	29	3.57	55.17	44.83	10.34	c
August	69	82	151	8.26	45.70	54.30	c	8.60	22	14	36	4.43	61.11	38.89	22.22	c
September	b 78	b 106	b 184	10.06	42.39	57.61	c	15.22	b 33	b 18	b 51	6.28	64.71	35.29	29.42	c
October	60	68	128	7.00	46.88	53.13	c	6.25	35	9	44	5.42	79.55	20.45	59.10	c
November	88	86	174	9.51	50.57	49.43	1.14	.....	40	28	68	8.37	58.82	41.18	17.64	.....
December	77	101	178	9.73	43.26	56.74	c	13.48	55	50	105	12.93	52.38	47.62	4.76	c
Unknown	3	3	6	.33	50.00	50.00	.....	.....	.....	1	1	.12	.....	100.00	.....	100.00
Average[a]	70	82	152	8.33	.....	.....	.....	.....	40	28	68	8.33	.....	.....	.....	.....

[a] Excluding deaths in unknown month.
[b] *Less* than the average number of deaths from Consumption, and *more* than the average number from Pneumonia, and *vice versa*.
[c] Ten out of twelve months in which there was an excess of deaths of one sex from consumption and of the opposite sex from pneumonia.

TABLE XXIII.—CORRELATION OF CONSUMPTION AND PNEUMONIA.—*Exhibiting the Number and Per Cent. of Deaths of each Sex, the difference between the Sexes, and the Per Cent. of Total Deaths at each Period of Age from Consumption and Pneumonia, in Michigan, during the Year 1880.*

AGES IN PERIODS OF YEARS, 1880.	CONSUMPTION, 1880.								PNEUMONIA, 1880.							
	NUMBER.			Per Ct. of Deaths at each Age to Deaths at All Ages.	PER CENT. OF THE SEXES.				NUMBER.			Per Ct. of Deaths at each Age to Deaths at All Ages.	PER CENT. OF THE SEXES.			
	Males.	Fe-males.	Total.		Males.	Fe-males.	EXCESS. Males.	EXCESS. Fe-males.	Males.	Fe-males.	Total.		Males.	Fe-males.	EXCESS. Males.	EXCESS. Fe-males.
All Ages, 1880	847	982	1,829	100.00	46.31	53.69	.....	7.38	479	333	812	100.00	58.99	41.01	17.98	.....
Under 5	65	61	126	6.89	51.59	48.41	3.18	.....	187	141	328	40.39	57.01	42.99	14.02	.....
5 to 10	15	6	21	1.15	71.43	28.57	42.86	.....	22	17	39	4.80	56.41	43.59	12.82	.....
10 to 15	22	35	57	3.12	38.60	61.40	.....	22.80	10	8	18	2.22	55.56	44.44	11.12	.....
15 to 20	44	[a] 134	[b] 178	[b] 9.73	24.72	75.28	.....	50.56	20	15	[b] 35	[b] 4.31	57.14	42.86	14.28	.....
20 to 25	[a] 95	153	[b] 248	[b] 13.56	38.31	61.69	[c]	23.38	[a] 9	4	[b] 13	[b] 1.60	69.23	30.77	38.46	[c]
25 to 30	[a] 85	131	[b] 216	[b] 11.81	39.35	60.65	.....	21.30	[a] 10	13	[b] 23	[b] 2.83	43.48	56.52	.....	13.04
30 to 35	[a] 74	85	[b] 159	[b] 8.69	46.54	53.46	.....	6 92	[a] 14	12	[b] 26	[b] 3.20	53.85	46.15	7.70	.....
35 to 40	[a] 71	85	[b] 156	[b] 8.53	45.51	54.49	.....	8.98	[a] 20	16	[b] 36	[b] 4.43	55.56	44.44	11.12	.....
40 to 45	[a] 65	54	[b] 119	[b] 6.51	54.62	45.38	9.24	[c]	[a] 14	18	[b] 32	[b] 3.94	43.75	56.25	[c]	12.50
45 to 50	46	54	100	5.47	46.00	54.00	[c]	8.00	22	7	29	3.57	75.86	24.14	51.72	[c]
50 to 55	45	38	83	4.54	54.22	45.78	8.44	.....	21	8	29	3.57	72.41	27.59	44.82	.....
55 to 60	[a] 56	33	89	4.87	62.92	37.08	25.84	.....	[a] 27	7	34	4.19	79.41	20.59	58.82	.....
60 to 65	[a] 50	27	77	4.21	64.94	35.06	29.88	.....	[a] 27	13	40	4.93	67.50	32.50	35.00	.....
65 to 70	45	35	80	4.37	56.25	43.75	12.50	.....	19	8	27	3.33	70.37	29.63	40.74	.....
70 to 75	26	11	[b] 37	[b] 2.02	70.27	29.73	40.54	.....	25	24	[b] 49	[b] 6.04	51.02	48.98	2.04	.....
75 to 80	26	17	43	2.35	60.47	39.53	20.94	.....	16	9	25	3.08	64.00	36.00	28.00	.....
80 and over	5	9	14	.77	35.71	64.29	[c]	28.58	11	9	20	2.46	55.00	45.00	10.00	[c]
Unknown	12	14	26	1.42	46.15	53.85	[c]	7.70	5	4	9	1.11	55.56	44.44	11.12	[c]
Average [d]	49	57	106	5.80	.....	.....	.....	.....	28	19	47	5.82	.....	.....	.....	.....

[a] *More* than the average number of deaths of males from Consumption, and *less* than the average number of deaths of males from Pneumonia, and *vice versa*.
[b] *More* than an average number and per cent. of deaths from Consumption and *less* than an average number and per cent. of deaths from Pneumonia, and *vice versa*. [c] *More* than an average proportion of *males* from Consumption and *less* than an average proportion of males from Pneumonia, and *vice versa*. [d] Of 17 periods of 5 years each, unknown ages excluded.

TABLE XXIV.—*Exhibiting, for the State and Eleven Geographical Divisions in 1880, by Sex, the Number of Deaths Returned as having occurred from All Causes, from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea; also, the Per Cent. of Deaths from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea, to Deaths from All Causes.*

STATE AND GEOGRAPHICAL DIVISIONS.[a]	SEX.	All Causes, 1880.	Consumption.		Pneumonia.		Typhoid Fever.		Intermittent Fever.		Diarrhea.	
			Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.
STATE[b]	Total	16,102	1,829	11.36	812	5.04	513	3.19	32	.20	310	1.93
	Males	8,645	847	9.80	479	5.54	285	3.30	16	.19	186	2.15
	Females	7,410	982	13.25	333	4.49	228	3.08	16	.22	124	1.67
	Unk'n	47	------	------	------	------	------	------	------	------	------	------
Upper-peninsular	Total	1,013	82	8.09	45	4.44	65	6.42	2	.20	22	2.17
	Males	606	43	7.10	32	5.28	51	8.42	1	.17	13	2.15
	Females	406	39	9.61	13	3.20	14	3.45	1	.25	9	2.22
	Unk'n	1	------	------	------	------	------	------	------	------	------	------
North-western	Total	389	44	11.31	18	4.63	3	.77	1	.26	5	1.29
	Males	200	18	9.00	12	6.00	3	1.50	------	------	2	1.00
	Females	185	26	14.05	6	3.24	------	------	1	.54	3	1.62
	Unk'n	4	------	------	------	------	------	------	------	------	------	------
Northern	Total	239	28	11.72	12	5.02	6	2.51	1	.42	3	1.26
	Males	140	15	10.71	7	5.00	2	1.43	1	.71	2	1.43
	Females	99	13	13.13	5	5.05	4	4.04	------	------	1	1.01
North-eastern	Total	160	12	7.50	5	3.13	1	.63	3	1.88	12	7.50
	Males	82	8	9.76	4	4.88	------	------	1	1.22	7	8.54
	Females	77	4	5.19	1	1.30	1	1.30	2	2.60	5	6.49
	Unk'n	1	------	------	------	------	------	------	------	------	------	------
Western	Total	2,075	212	10.22	98	4.72	63	3.04	5	.24	31	1.49
	Males	1,103	102	9.25	56	5.08	32	2.90	2	.18	18	1.63
	Females	969	110	11.35	42	4.33	31	3.20	3	.31	13	1.34
	Unk'n	3	------	------	------	------	------	------	------	------	------	------
Northern-central	Total	508	35	6.89	18	3.54	16	3.15	------	------	4	.79
	Males	278	17	6.12	11	3.96	12	4.32	------	------	2	.72
	Females	228	18	7.89	7	3.07	4	1.75	------	------	2	.88
	Unk'n	2	------	------	------	------	------	------	------	------	------	------

[a] For counties included in each Division, see page 166.
[b] For counties and townships from which no returns of deaths for 1880 were received, see Exhibit H, page 136; for those in which no deaths occurred, see Exhibit I, page 188.

TABLE XXIV.—CONTINUED.

GEOGRAPHICAL DIVISIONS.[a]	SEX.	All Causes, 1880.	CONSUMPTION.		PNEUMONIA.		TYPHOID FEVER.		INTERMITTENT FEVER.		DIARRHŒA.	
			Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.
Bay and Eastern	Total	2,401	266	11.08	150	6.25	62	2.58	4	.17	40	1.67
	Males	1,291	122	9.45	90	6.97	31	2.40	3	.23	26	2.01
	Females	1,098	144	13.11	60	5.47	31	2.82	1	.09	14	1.28
	Unk'n	12	------	------	------	------	------	------	------	------	------	------
Central	Total	2,392	256	10.70	89	3.72	93	3.89	1	.04	24	1.00
	Males	1,195	108	9.04	57	4.77	46	3.85	1	.08	13	1.09
	Females	1,188	148	12.46	32	2.69	47	3.96	------	------	11	.93
	Unk'n	9	------	------	------	------	------	------	------	------	------	------
South-western	Total	1,018	121	11.89	83	8.15	42	4.13	1	.10	13	1.28
	Males	557	56	10.05	42	7.54	21	3.77	1	.18	9	1.62
	Females	460	65	14.10	41	8.91	21	4.57	------	------	4	.87
	Unk'n	1	------	------	------	------	------	------	------	------	------	------
Southern-central	Total	2,524	320	12.68	150	5.90	97	3.84	4	.16	19	.75
	Males	1,324	129	9.74	81	6.12	60	4.53	3	.23	16	1.21
	Females	1,190	191	16.05	69	5.80	37	3.11	1	.08	3	.25
	Unk'n	10	------	------	------	------	------	------	------	------	------	------
South-eastern	Total	3,383	453	13.39	144	4.26	65	1.92	10	.30	137	4.05
	Males	1,869	229	12.25	87	4.65	27	1.44	3	.16	78	4.17
	Females	1,510	224	14.83	57	3.77	38	2.52	7	.46	59	3.91
	Unk'n	4	------	------	------	------	------	------	------	------	------	------

[a] For counties included in each Division, see page 166.

TABLE XXV.—*Exhibiting, for the State, and by Counties, for the Year 1880, the Number of Deaths from All Causes, from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea; also the Per Cent. of Deaths from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea, to Deaths from All Causes.*

STATE AND COUNTIES.	All Causes, 1880.	Consumption.		Pneumonia.		Typhoid Fever.		Int'm'nt Fever.		Diarrhea.	
		Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Dea's.	Per Cent. to Deaths from All Causes.
State	16,102	1,829	11.36	812	5.04	513	3.19	32	.20	310	1.93
Alcona	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Allegan	310	42	13.55	29	9.35	13	4.19	1	.32	10	3.23
Alpena [a]	67	4	5.97	3	4.48	.....	.....	.....	.....	9	13.43
Antrim	40	4	10.00	3	7.50	1	2.50	.....	.....	.....	.....
Baraga	14	1	7.14	1	7.14	2	14.29	.....	.....	.....	.....
Barry	218	27	12.39	8	3.67	7	3.21	.....	.....	5	2.29
Bay	393	32	8.14	17	4.33	11	2.80	1	.25	8	2.04
Benzie	47	5	10.64	1	2.13	1	2.13	.....	.....	.....	.....
Berrien	334	37	11.18	25	7.49	9	2.69	.....	.....	1	.30
Branch	252	27	10.71	15	5.95	13	5.16	.....	.....	.....	.....
Calhoun	361	51	14.12	18	4.99	18	4.99	.....	.....	.....	.....
Cass	163	20	12.27	11	6.75	8	4.91	.....	.....	1	.61
Charlevoix	41	9	21.95	4	9.76	.....	.....	.....	.....	.....	.....
Cheboygan [a]	50	2	4.00	1	2.00	1	2.00	.....	.....	1	2.00
Chippewa [a]	29	5	17.24	.....	.....	.....	.....	.....	.....	.....	.....
Clare	69	.....	.....	1	1.45	2	2.90	.....	.....	1	1.45
Clinton	191	16	8.38	8	4.19	15	7.85	.....	.....	.....	.....
Crawford	4	.....	.....	.....	.....	.....	.....	.....	.....	1	25.00
Delta [a]	60	6	10.00	1	1.67	5	8.33	2	3.33	5	8.33
Eaton	275	31	11.27	18	6.55	13	4.73	.....	.....	.....	.....
Emmet	82	12	14.63	2	2.44	4	4.88	1	1.22	1	1.22
Genesee	326	40	12.27	11	3.37	4	1.23	.....	.....	4	1.23
Gladwin	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
G. Traverse [a]	42	8	19.05	4	9.52	.....	.....	.....	.....	1	2.38
Gratiot	154	10	6.49	9	5.84	4	2.60	.....	.....	.....	.....
Hillsdale	248	41	16.53	8	3.22	8	3.23	1	.40	.....	.....
Houghton	298	24	8.05	14	4.70	7	2.35	.....	.....	2	.67
Huron [a]	160	13	8.13	11	6.88	6	3.75	.....	.....	5	3.13
Ingham	245	31	12.65	10	4.08	13	5.31	.....	.....	3	1.22
Ionia	287	32	11.15	13	4.53	13	4.53	1	.35	1	.35
Iosco [a]	39	2	5.13	.....	.....	1	2.56	3	7.69	2	5.13
Isabella [a]	166	18	10.84	8	4.82	5	3.01	.....	.....	.....	.....
Isle Royal [b]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	326	44	13.50	22	6.75	7	2.15	.....	.....	1	.31
Kalamazoo	382	45	11.78	25	6.54	11	2.88	.....	.....	4	1.05
Kalkaska [a]	17	1	5.88	1	5.88	.....	.....	.....	.....	.....	.....
Kent	845	103	12.19	42	4.97	16	1.89	1	.12	14	1.66
Keweenaw	72	1	1.39	2	2.78	3	4.17	.....	.....	.....	.....
Lake [a]	26	1	3.85	.....	.....	3	1.15	.....	.....	.....	.....
Lapeer	239	26	10.88	30	12.55	9	3.77	.....	.....	6	2.51
Leelanaw [a]	97	12	12.37	3	3.09	1	1.03	1	1.03	2	2.06
Lenawee	370	37	10.00	17	4.59	15	4.05	.....	.....	4	1.08

[a] For townships not represented by returns of deaths in 1880, see Exhibit H, page 136.
[b] No returns from county clerk to State Department.

TABLE XXV.—CONTINUED.

COUNTIES.	All Causes, 1880.	Consumption.		Pneumonia.		Typhoid Fever.		Int'm'nt Fever.		Diarrhea.	
		Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.
Livingston	169	24	14.20	6	3.55	4	2.37	.....	.....	1	.59
Mackinac[a]	33	6	18.18	1	3.03	.....	.....	.....	.....	.....	.....
Macomb	256	40	15.63	18	7.03	5	1.95	2	.78	12	4.69
Manistee	92	8	8.70	5	5.43	.....	.....	.....	.....	.....	.....
Manitou	11	1	9.09	.....	.....	.....	.....	.....	.....	2	18.18
Marquette[a]	334	33	9.88	17	5.09	21	6.29	.....	.....	9	2.69
Mason	97	9	9.28	5	5.15	1	1.03	.....	.....	1	1.03
Mecosta	156	8	5.13	1	.64	7	4.49	.....	.....	1	.64
Menominee[a]	127	5	3.94	7	5.51	27	21.26	.....	.....	6	4.72
Midland	94	9	9.57	6	6.38	1	1.06	.....	.....	.....	.....
Missaukee	11	1	9.09	.....	.....	.....	.....	.....	.....	.....	.....
Monroe	360	31	8.61	19	5.28	17	4.72	.....	.....	3	.83
Montcalm[a]	319	30	9.40	3	.94	14	4.39	.....	.....	7	2.19
Muskegon	288	27	9.38	12	4.17	8	2.78	1	.35	2	.69
Newaygo	168	9	5.36	9	5.36	6	3.57	2	1.19	2	1.19
Oakland	330	55	16.67	14	4.24	11	3.33	2	.61	2	.61
Oceana	131	18	13.74	1	.76	1	.76	.....	.....	1	.76
Ogemaw	16	4	25.00	2	12.50	.....	.....	.....	.....	.....	.....
Ontonagon	40	1	2.50	1	2.50	.....	.....	.....	.....	.....	.....
Osceola	166	6	3.61	8	4.82	19	11.45	.....	.....	1	.60
Oscoda	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Otsego	5	.....	.....	1	20.00	.....	.....	.....	.....	.....	.....
Ottawa	354	39	11.02	21	5.93	9	2.54	1	.28	10	2.82
Presque Isle	24	2	8.33	.....	.....	.....	.....	.....	.....	1	8.33
Roscommon	16	.....	.....	2	12.50	1	6.25	.....	.....	2	12.50
Saginaw[a]	783	98	12.52	39	4.98	18	2.30	.....	.....	13	1.66
Sanilac	206	30	14.56	10	4.85	5	2.43	.....	.....	3	1.46
Schoolcraft[a]	6	.....	.....	1	16.67	.....	.....	.....	.....	.....	.....
Shiawassee	208	15	7.21	3	1.44	6	2.88	.....	.....	3	1.44
St. Clair	414	41	9.90	28	6.76	6	1.45	.....	.....	4	.97
St. Joseph	244	35	14.34	18	7.38	12	4.92	2	.82	3	1.23
Tuscola	206	26	12.62	15	7.28	7	3.40	3	1.46	1	.49
Van Buren	211	22	10.43	18	8.53	12	5.69	.....	.....	1	.47
Washtenaw	341	40	11.73	27	7.92	13	3.81	1	.29	7	2.05
Wayne	2,437	327	13.42	93	3.82	32	1.31	6	.25	120	4.92
Wexford	89	9	10.11	5	5.62	1	1.12	.....	.....	.....	.....

[a] For townships not represented by returns of deaths in 1880, see Exhibit H, page 136.

TABLE XXVI.—*Exhibiting, for the State and Eleven Geographical Divisions of Michigan, by Sex, the Number of Deaths Returned as having occurred at All Ages, from Old Age, of All Aged 70 and Over, and of All Aged Under 5; also the Per Cent. of Deaths from Old Age, of All Aged 70 and Over, and of All Aged Under 5, to Deaths at All Ages, during the Year 1880.*

STATE AND GEOGRAPHICAL DIVISIONS.[a]	SEX.	Deaths at All Ages, 1880.	Old Age.		Aged 70 and Over.		Aged Under 5.	
			Number of Deaths.	Per Cent. to Deaths at All Ages, by Geographical Divisions.	Number of Deaths.	Per Cent. to Deaths at All Ages, by Geographical Divisions.	Number of Deaths.	Per Cent. to Deaths at All Ages, by Geographical Divisions.
State[b]	Total	16,102	625	3.88	1,718	10.67	6,433	39.95
	Males	8,645	317	3.67	990	11.45	3,519	40.71
	Females	7,410	308	4.16	728	9.82	2,872	38.76
	Unknown	47	.....	.....	.....	.....	42	89.36
Upper-peninsular	Total	1,013	6	.59	25	2.47	553	54.59
	Males	606	4	.66	14	2.31	304	50.17
	Females	406	2	.49	11	2.71	248	61.08
	Unknown	1	.....	.....	.....	.....	1	100.00
North-western	Total	389	10	2.57	25	6.43	184	47.30
	Males	200	6	3.00	16	8.00	90	45.00
	Females	185	4	2.16	9	4.86	90	48.65
	Unknown	4	.....	.....	.....	.....	4	100.00
Northern	Total	239	9	3.77	13	5.44	143	59.83
	Males	140	2	1.43	5	3.57	93	66.43
	Females	99	7	7.07	8	8.08	50	50.51
North-eastern	Total	160	.....	.....	4	2.50	91	56.88
	Males	82	.....	.....	3	3.66	45	54.88
	Females	77	.....	.....	1	1.30	45	58.44
	Unknown	1	.....	.....	.....	.....	1	100.00
Western	Total	2,075	65	3.13	158	7.61	843	40.63
	Males	1,103	33	2.99	89	8.07	443	40.16
	Females	969	32	3.30	69	7.12	397	40.97
	Unknown	3	.....	.....	.....	.....	3	100.00

[a] For counties included in each Division, see page 166.
[b] For counties and townships from which no returns of deaths in 1880 were received, see Exhibit H, page 136; for those in which no deaths occurred, see Exhibit I, page 138.

TABLE XXVI.—CONTINUED.

GEOGRAPHICAL DIVISIONS.[a]	SEX.	Deaths at All Ages, 1880.	OLD AGE.		AGED 70 AND OVER.		AGED UNDER 5.	
			Number of Deaths.	Per Cent. to Deaths at All Ages, by Geographical Divisions.	Number of Deaths.	Per Cent. to Deaths at All Ages, by Geographical Divisions.	Number of Deaths.	Per Cent. to Deaths at All Ages, by Geographical Divisions.
Northern-central	Total	508	12	2.36	30	5.91	199	39.17
	Males	278	7	2.52	20	7.19	109	39.21
	Females	228	5	2.19	10	4.39	90	39.47
	Unknown	2	.....	.....	.....	.....	.....	.....
Bay and Eastern	Total	2,401	79	3.29	180	7.50	1,088	45.31
	Males	1,291	40	3.10	98	7.59	602	46.63
	Females	1,098	39	3.55	82	7.47	476	43.35
	Unknown	12	.....	.....	.....	.....	10	83.33
Central	Total	2,392	102	4.26	307	12.83	835	34.91
	Males	1,195	49	4.10	166	13.89	439	36.74
	Females	1,188	53	4.46	141	11.87	387	32.58
	Unknown	9	.....	.....	.....	.....	9	100.00
South-western	Total	1,018	36	3.54	132	12.97	386	37.92
	Males	557	16	2.87	81	14.54	210	37.70
	Females	460	20	4.35	51	11.09	175	38.04
	Unknown	1	.....	.....	.....	.....	1	100.00
Southern-central	Total	2,524	167	6.62	493	19.53	683	27.06
	Males	1,324	96	7.25	292	22.05	362	27.34
	Females	1,190	71	5.97	201	16.89	312	26.22
	Unknown	10	.....	.....	.....	.....	9	90.00
South-eastern	Total	3,383	139	4.11	351	10.35	1,428	42.21
	Males	1,869	64	3.42	206	11.02	822	43.98
	Females	1,510	75	4.97	145	9.60	602	39.87
	Unknown	4	.....	.....	.....	.....	4	100.00

[a] For counties included in each Division, see page 166.

TABLE XXVII.—*Exhibiting, for the State and Counties of Michigan, the Number of Deaths Returned as having occurred at All Ages, from Old Age, of All Aged 70 and Over, and of All Aged Under 5; also the Per Cent. of Deaths from Old Age, of All Aged 70 and Over, and of All Aged under 5, to Deaths at All Ages, for the Year 1880.*

STATE AND COUNTIES.	All Ages.	Old Age.		Aged 70 and Over.		Aged Under 5.	
	Number of Deaths.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.
STATE	16,102	625	3.88	1,718	10.67	6,433	39.95
Alcona	12	.....	.....	.....	.....	4	33.33
Allegan	310	22	7.10	45	14.52	126	40.65
Alpena	67	.....	.....	2	2.99	44	65.67
Antrim	40	.....	.....	3	7.50	20	50.00
Baraga	14	.....	.....	.....	.....	8	57.14
Barry	218	17	7.80	30	13.76	72	33.03
Bay	393	7	1.78	13	3.31	223	56.74
Benzie	47	.....	.....	4	8.51	22	46.81
Berrien	334	5	1.50	42	12.57	138	41.32
Branch	252	6	2.38	41	16.27	70	27.78
Calhoun	361	23	6.37	58	16.07	92	25.48
Cass	163	3	1.84	20	12.27	46	28.22
Charlevoix	41	4	9.76	4	9.76	21	51.22
Cheboygan	50	3	6.00	4	8.00	26	52.00
Chippewa	29	1	3.45	2	6.90	17	58.62
Clare	69	.....	.....	2	2.90	21	30.43
Clinton	191	1	.52	19	9.95	63	32.98
Crawford	4	.....	.....	.....	.....	1	25.00
Delta	60	.....	.....	1	1.67	28	46.67
Eaton	275	13	4.73	41	14.91	101	36.73
Emmet	82	1	1.22	1	1.22	62	76.10
Genesee	326	14	4.29	44	13.50	103	31.60
Gladwin	7	.....	.....	1	14.29	5	71.43
Grand Traverse	42	1	2.38	2	4.76	11	26.19
Gratiot	154	6	3.90	15	9.74	50	32.47
Hillsdale	248	22	8.87	65	26.21	57	22.98
Houghton	298	1	.34	7	2.35	199	66.78
Huron	160	4	2.50	10	6.25	87	54.38
Ingham	245	9	3.67	29	11.84	80	32.65
Ionia	287	9	3.14	46	16.03	94	32.75
Iosco	39	.....	.....	.....	.....	23	58.97
Isabella	166	5	3.01	9	5.42	72	43.38
Isle Royal	.....	.....	.....	.....	.....	.....	.....
Jackson	326	17	5.21	55	16.87	115	35.28
Kalamazoo	382	36	9.42	60	15.71	97	25.39
Kalkaska	17	1	5.88	1	5.88	8	47.06
Kent	845	32	3.79	76	8.99	320	37.87
Keweenaw	72	1	1.39	5	6.94	47	65.28
Lake	26	3	11.54	2	7.69	15	57.69
Lapeer	239	11	4.60	27	11.30	100	41.84

TABLE XXVII.—CONTINUED.

COUNTIES.	All Ages.	Old Age.		Aged 70 and Over.		Aged Under 5.	
	Number of Deaths.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.
Leelanaw	97	3	3.09	8	8.25	41	42.27
Lenawee	370	23	6.22	76	20.54	104	28.11
Livingston	169	11	6.51	34	20.12	54	31.95
Mackinac	33	2	6.06	3	9.09	11	33.33
Macomb	256	15	5.86	54	21.09	86	33.59
Manistee	92	1	1.09	4	4.35	50	54.35
Manitou	11	2	18.18	2	18.18	4	36.36
Marquette	334	1	.30	5	1.50	176	52.69
Mason	97	3	3.09	4	4.12	36	37.11
Mecosta	156	4	2.56	8	5.13	56	35.90
Menominee	127	.....	.....	.....	.....	45	35.43
Midland	94	3	3.19	10	10.64	34	36.17
Missaukee	11	1	9.09	1	9.09	5	45.46
Monroe	360	13	3.61	42	11.67	123	34.17
Montcalm	319	9	2.82	25	7.84	143	44.83
Muskegon	288	4	1.39	8	2.78	145	50.35
Newaygo	168	11	6.55	22	13.10	61	36.31
Oakland	330	15	4.55	56	16.97	75	22.73
Oceana	131	1	.76	9	6.87	48	36.64
Ogemaw	16	.....	.....	1	6.25	5	31.25
Ontonagon	40	.....	.....	2	5.00	21	52.50
Osceola	166	2	1.20	4	2.41	67	40.36
Oscoda	2	.....	.....	1	50.00	1	50.00
Otsego	5	.....	.....	.....	.....	5	100.00
Ottawa	354	9	2.54	33	9.32	151	42.66
Presque Isle	24	.....	.....	.....	.....	14	58.33
Roscommon	16	.....	.....	.....	.....	11	68.75
Saginaw	783	25	3.19	49	6.26	329	42.02
Sanilac	206	7	3.40	19	9.22	94	43.52
Schoolcraft	6	.....	.....	.....	.....	1	16.67
Shiawassee	208	13	6.25	24	11.54	75	36.06
St. Clair	414	17	4.11	39	9.42	170	41.06
St. Joseph	244	16	6.56	43	17.62	58	23.77
Tuscola	206	8	3.88	23	11.17	85	41.26
Van Buren	211	6	2.84	25	11.85	76	36.02
Washtenaw	341	24	7.04	95	2.79	90	26.39
Wayne	2,437	96	3.94	199	8.17	1,144	46.94
Wexford	89	2	2.25	4	4.49	51	57.30

TABLE XXVIII.—CONSUMPTION.—*Exhibiting, for the Year and Months, by Sex, The Conjugal Condition, Occupation, and Age in Periods of Years of All Persons Returned as having Died from Consumption in Michigan during the Year ending December 31, 1880.*

Months, 1880.													Year, 1880.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1880.																	
	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
	122	174	159	153	131	152	151	184	128	174	178	6	1,829	Total.....	Total Deaths from Consumption.	126	21	57	178	248	216	159	156	119	100	83	89	77	80	37	43	14	26
	68	76	91	81	66	79	75	83	69	98	91	3	933	Married...		....	..	..	20	85	124	115	114	92	78	61	71	56	52	23	25	4	13
		74	58	52	46	63	56	89	46	58	64	1	700	Single.....		126	21	57	154	155	80	34	28	16	7	5	6	5	2	4	3	1	5
			4	15	7	7	18	10	11	11	14	1	144	Widowed.		....	..	..	1	5	5	7	6	9	11	16	10	15	24	8	15	9	3
			6	4	2	3	2	2	2	4	9	1	43	Unknown.		....	..	..	3	3	7	3	8	2	4	1	2	1	2	2	..	..	5
			83	81	66	81	82	106	68	86	101	3	982	Total.....	Females.	61	6	35	134	153	131	85	85	54	54	38	33	27	35	11	17	9	14
			37	44	38	43	43	43	33	44	52	1	500	Married...		....	..	..	19	70	93	70	63	41	43	24	21	16	18	6	6	2	8
			41	29	24	31	26	56	27	29	38	1	370	Single.....		61	6	35	112	76	31	11	15	8	3	3	2	2	1	..	2	1	1
			5	11	3	6	12	7	7	10	8	1	94	Widowed.		....	..	..	1	5	3	2	4	5	8	11	9	9	15	4	9	6	3
			1	4	4	1	1	1	....	1	3	3	..	18	Unknown.	....	..	..	2	2	4	2	3	....	....	..	1	..	1	1	..	..	2
			76	74	55	71	69	78	60	88	77	3	847	Total.....	Males.	65	15	22	44	95	85	74	71	65	46	45	56	50	45	26	26	5	12
			46	37	29	36	32	40	36	54	39	2	433	Married...		....	..	..	1	15	31	45	51	51	35	37	50	40	34	17	19	2	5
			25	28	22	32	30	33	19	29	26	..	339	Single.....		65	15	22	42	79	49	23	13	8	4	2	4	3	1	4	1	..	4
			1	4	4	1	6	3	4	4	6	..	50	Widowed.		....	..	..	....	....	2	5	2	4	3	5	1	6	9	4	6	3	..
	1	1	4	1	1	2	1	2	1	1	6	1	25	Unknown.		....	..	..	1	1	3	1	5	2	4	1	1	1	1	1	..	..	3
17	23	19	27	20	11	16	13	16	18	22	33	2	236	Total.....	Occupations Unknown, Total.	....	9	27	36	34	32	15	18	11	12	6	12	4	6	4	4	..	6
4	8	5	11	7	2	5	4	4	7	10	10	..	78	Married...		....	..	..	3	9	15	7	8	8	7	3	8	1	4	2	1	..	2
11	10	11	13	7	7	9	8	10	9	9	13	..	117	Single.....		....	9	27	31	23	10	3	5	2	....	1	2	1	1	..	1	..	1
....	3	1	....	3	....	....	1	1	....	....	1	1	11	Widowed.		....	..	..	....	....	....	2	1	1	2	1	1	..	..	2	..	..	

		2	3	3	2	2	....	1	2	3	9	1	30	Unknown.		....	..	..	2	2	7	3	4	....	3	1	1	1	1	2	..	..	3
		9	17	15	8	10	8	8	10	17	22	1	148	Total.....	Occupations Unknown, Females.	....	1	19	27	26	20	7	11	6	9	2	6	1	3	2	4	..	4
	7	4	8	7	2	3	1	1	5	8	8	..	57	Married...		....	..	..	3	9	12	5	6	5	7	1	4	..	1	1	1	..	2
5	5	3	8	4	5	6	6	6	4	7	10	..	69	Single.....		....	1	19	23	15	4	....	3	1	....	..	..	..	1	..	1	..	1
....	2	1	....	1	....	....	1	1	....	....	1	1	8	Widowed.		....	..	..	....	....	....	....	1	....	2	1	1	1	..	..	2	..	..
1	....	1	1	3	1	1	....	....	1	2	3	..	14	Unknown.		....	..	..	1	2	4	2	1	....	....	..	1	..	1	1	..	..	1
8	8	10	10	5	3	6	5	8	8	5	11	1	88	Total.....	Occupations Unknown, Males.	....	8	8	9	8	12	8	7	5	3	4	6	3	3	2	..	..	2
1	2	1	3	....	....	2	3	3	2	2	2	..	21	Married...		....	..	..	....	....	3	2	2	3	....	2	4	1	3	1	..	..	..
6	5	8	5	3	2	3	2	4	5	2	3	..	48	Single.....		....	8	8	8	8	6	3	2	1	....	1	2	1	..	..	..	..	..
....	1	....	....	2	....	....	....	....	....	....	....	..	3	Widowed..		....	..	..	....	....	....	2	....	1	....	..	..	..	..	..	..	..	..
1	....	1	2	....	1	1	....	1	1	1	6	1	16	Unknown.		....	..	..	1	....	3	1	3	....	3	1	..	1	..	1	..	..	2
111	103	152	132	132	110	136	138	168	110	152	145	4	1,593	Total.....	All Specified Occupations, Total.	126	12	30	142	214	184	144	138	108	88	77	77	73	74	33	39	14	20
49	59	71	80	74	64	74	71	79	62	88	81	3	855	Married...		....	..	..	17	76	109	108	106	84	71	58	63	55	48	21	24	4	11
46	35	63	45	45	39	54	48	79	37	49	51	1	592	Single.....		126	12	30	123	132	70	31	23	14	7	4	4	4	1	4	2	1	4
13	8	18	4	12	7	7	17	9	11	14	13	..	133	Widowed..		....	..	..	1	5	5	5	5	8	9	15	9	14	24	8	13	9	3
3	1	....	3	1	....	1	2	1	....	1	....	..	13	Unknown.		....	..	..	1	1	....	....	4	2	1	..	1	..	1	..	..	..	2
62	55	76	66	66	58	71	74	98	58	69	79	2	834	Total.....	All Specified Occupations, Females. (Class XII.)	61	5	16	107	127	111	78	74	48	45	36	27	26	32	9	13	9	10
28	32	40	37	37	36	40	42	42	28	36	44	1	443	Married...		....	..	..	16	61	81	65	57	36	36	23	17	16	17	5	5	2	6
24	18	27	25	19	19	25	20	50	23	22	28	1	301	Single.....		61	5	16	89	61	27	11	12	7	3	2	2	2	..	..	1	1	..
9	5	9	3	10	3	6	11	6	7	10	7	..	86	Widowed..		....	..	..	1	5	3	2	3	5	6	10	8	8	15	4	7	6	3
1	....	....	1	....	....	....	1	....	....	1	....	..	4	Unknown.		....	..	..	1	....	....	....	2	....	....	..	..	..	..	..	..	..	1
49	48	76	66	66	52	65	64	70	52	83	66	2	759	Total.....	All Specified Occupations, Males. (Classes I.-XI.)	65	7	14	35	87	73	66	64	60	43	41	50	47	42	24	26	5	10
21	27	31	43	37	28	34	29	37	34	52	37	2	412	Married...		....	..	..	1	15	28	43	49	48	35	35	46	39	31	16	19	2	5
22	17	36	20	26	20	29	28	29	14	27	23	..	291	Single.....		65	7	14	34	71	43	20	11	7	4	1	2	2	1	4	1	..	4
4	3	9	1	2	4	1	6	3	4	4	6	..	47	Widowed..		....	..	..	....	....	2	3	2	3	3	5	1	6	9	4	6	3	..
2	1	....	2	1	....	1	1	1	....	....	....	..	9	Unknown.		....	..	..	....	1	....	....	2	2	1	.	1	..	1		..	..	1

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1880.*

Months, 1880.													Year, 1880.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1880.																		
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
16	18	23	19	26	20	26	22	24	24	30	25	1	274	Total	Class I. Cultivators of the Earth.	..	..	3	12	31	24	25	23	25	11	18	25	21	25	10	16	1	4
10	10	11	12	20	17	14	13	16	20	25	16	1	185	Married		..	..	..	..	8	10	15	19	21	10	18	22	20	20	8	11	..	3
3	7	8	7	5	3	12	6	7	2	5	7	..	72	Single		..	..	3	12	23	14	8	3	2	1	..	2	..	1	1	1	..	1
3	1	4	..	..	..	..	2	..	2	..	2	..	14	Widowed		..	..	..	..	..	..	2	..	1	..	..	..	1	4	1	4	1	..
..	..	..	..	1	..	..	1	1	..	..	..	..	3	Unknown		..	..	..	..	..	..	..	1	1	..	..	1	..	..	..	..	..	..
3	1	7	6	4	2	4	3	5	3	3	5	..	46	Total	Class II. Active Mechanics Abroad.	..	..	..	1	3	6	4	2	8	8	4	3	2	2	3	..	..	..
1	1	3	4	2	1	3	2	1	3	2	3	..	26	Married		..	..	..	..	..	3	1	2	6	4	4	3	2	..	1	..	..	..
2	..	4	1	2	1	1	1	2	..	1	1	..	14	Single		..	..	..	1	3	3	2	..	2	2	..	..	..	..	1	..	..	..
1	..	..	..	..	..	..	..	2	..	..	1	..	4	Widowed		..	..	..	..	..	..	1	..	..	1	..	..	..	1	1	..	..	..
1	..	..	1	..	..	..	..	..	..	..	..	..	2	Unknown		..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..
3	4	3	5	3	6	4	4	5	4	11	6	..	58	Total	Class III. Active Mechanics in Shops.	..	..	1	1	5	8	7	4	5	6	5	1	2	4	6	3	..	..
3	3	1	5	3	2	4	4	4	1	4	4	..	38	Married		..	..	..	..	2	3	6	3	5	5	2	1	1	3	4	3	..	..
..	1	1	..	..	2	..	..	1	2	5	2	..	14	Single		..	..	1	1	3	5	1	1	..	..	1	..	..	..	1	..	..	..
..	..	1	..	..	2	..	..	..	1	2	..	..	6	Widowed		..	..	..	..	..	..	..	..	..	1	2	..	1	1	1	..	..	..
..	3	7	2	3	3	2	3	2	2	5	2	..	37	Total	Class IV. Inactive Mechanics in Shops.	..	..	..	2	5	2	7	4	..	2	..	3	1	4	2	3	1	1
..	1	3	2	2	2	..	1	2	2	5	2	..	23	Married		..	..	..	..	..	1	6	2	..	2	..	3	1	4	2	2	..	..
2	2	3	..	1	1	1	2	..	..	..	..	..	12	Single		..	..	..	2	5	1	1	2	..	..	..	..	..	..	..	..	..	1
..	..	1	..	..	..	1	..	..	..	..	..	..	2	Widowed		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..
7	5	12	13	12	9	11	5	10	11	10	13	..	118	Total	Class V. Laborers—No	..	..	..	10	20	11	7	8	13	6	9	13	10	2	2	2	3	2
2	3	7	9	7	2	6	1	7	3	8	5	..	60	Married		..	..	..	..	3	3	3	7	10	6	8	12	5	..	..	1	2	..
5	2	3	3	4	5	5	1	2	7	1	6	..	44	Single		..	..	..	10	16	6	4	1	2	..	..	..	2	..	1	..	..	2

		--			2	----	3	1	1	1	2	..	13	Widowed	Special Trades.	----	--	--	----	----	2	----	----	1	----	1	1	3	2	1	1	1	..
			1	----	----	----	----	----	----	----	----	--	1	Unknown		----	--	--	----	1	----	----	----	----	----	--	--	--	--	--	--	--	--
		4	4	2	2	4	3	3	5	3	2	..	39	Total	Class VI. Agents, Laborers Abroad, etc.	----	--	--	1	6	6	4	7	3	3	--	3	5	--	--	--	--	1
		1	3	1	2	3	2	3	4	1	1	..	27	Married		----	--	--	1	1	1	4	6	2	3	--	3	5	--	--	--	--	1
		2	1	1	----	1	1	----	1	2	1	--	11	Single		----	--	--	----	5	5	----	1	----	----	--	--	--	--	--	--	--	--
	---	1	----	----	----	----	----	----	----	----	----	--	1	Widowed		----	--	--	----	----	----	----	----	1	----	--	--	--	--	--	--	--	--
	----	----	2	1	----	1	----	1	----	----	1	--	7	Total	Class VII. Seafaring Men.	----	--	--	1	1	----	1	1	1	1	1	--	--	--	--	--	--	--
----	----	----	1	----	----	----	----	----	----	----	----	--	1	Married		----	--	--	----	----	----	----	----	----	----	1	--	--	--	--	--	--	--
----	----	----	1	1	----	----	----	1	----	----	1	--	4	Single		----	--	--	1	1	----	1	----	----	1	--	--	--	--	--	--	--	--
1	----	----	----	----	----	1	----	----	----	----	----	--	2	Unknown		----	--	--	----	----	----	----	1	1	----	--	--	--	--	--	--	--	--
----	----	----	----	----	----	----	----	----	----	----	----	--	------	----------	Class VIII. Soldiers.	----	--	--	----	----	----	----	----	----	----	--	--	--	--	--	--	--	--
----	----	----	----	----	----	----	----	----	----	----	----	--	------	----------		----	--	--	----	----	----	----	----	----	----	--	--	--	--	--	--	--	--
5	4	4	5	5	4	5	8	4	1	8	8	1	62	Total	Class IX. Business Men.	----	--	--	----	12	8	8	13	3	4	3	2	4	4	--	--	--	1
2	1	3	2	2	2	3	3	3	1	6	5	1	34	Married		----	--	--	----	----	3	5	9	2	3	2	2	4	3	--	--	--	1
3	1	1	2	3	2	2	4	1	----	2	2	--	23	Single		----	--	--	----	12	5	3	2	1	----	--	--	--	--	--	--	--	--
----	2	----	1	----	----	----	1	----	----	----	1	--	5	Widowed		----	--	--	----	----	----	----	2	----	1	1	--	--	1	--	--	--	--
2	4	1	3	----	1	3	2	1	----	3	1	--	21	Total	Class X. Professional Men.	----	--	--	2	3	7	2	2	2	1	--	--	--	--	1	1	--	--
1	3	1	3	----	----	1	2	---	----	----	1	--	12	Married		----	--	--	----	1	3	2	1	2	1	--	--	--	--	1	1	--	--
1	1	----	----	----	1	2	----	1	----	3	----	--	9	Single		----	--	--	2	2	4	----	1	----	----	--	--	--	--	--	--	--	--
8	3	15	7	10	5	5	14	15	2	10	3	--	97	Total	Class XI. Unemployed.	65	7	10	5	1	1	1	----	----	1	1	--	2	1	--	1	--	1
----	----	1	2	----	----	----	1	1	----	1	----	--	6	Married		----	--	--	----	----	1	1	----	----	1	--	--	1	1	--	1	--	--
8	2	14	5	9	5	5	13	14	2	8	3	--	88	Single		65	7	10	5	1	----	----	----	----	----	--	--	--	--	--	--	--	--
----	----	----	----	1	----	----	----	----	----	1	----	--	2	Widowed		----	--	--	----	----	----	----	----	----	----	1	--	1	--	--	--	--	--
----	1	----	----	----	----	----	----	----	----	----	----	--	1	Unknown		----	--	--	----	----	----	----	----	----	----	--	--	--	--	--	--	--	1
16	18	23	19	26	20	26	22	24	24	30	25	1	274	----------	Class I.	----	--	3	12	31	24	25	23	25	11	18	25	21	25	10	16	1	4

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1880.*

Months, 1880.													Year, 1880.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1880.																		
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
16	17	23	19	24	20	26	21	24	23	29	25	1	268	Total	Farmers.	....	..	2	11	30	23	25	23	25	11	18	24	20	25	10	16	1	4
10	10	11	12	19	17	14	13	16	20	24	16	1	183	Married		....	..	-		8	10	15	19	21	10	18	21	19	20	8	11	..	3
3	6	8	7	4	3	12	5	7	1	5	7	..	63	Single		....	..	2	11	22	13	8	3	2	1	..	2	..	1	1	1	..	1
	1	4	....	....	....	....	2	....	2	....	2	..	14	Widowed		....	..	..	....	....	....	2	....	1	....	..	..	1	4	1	4	1	..
		....	....	1	....	....	1	1	....	....	....	..	3	Unknown		....	..	..	....	....	....	....	1	1	....	..	1	..	..	..	..	..	..
		....	....	....	....	....	....	....	1	....	....	..	1	Single	Farm Laborers.	....	..	..	....	1	....	....	....	....	....	..	..	..	..	..	..	..	..
		....	....	1	....	....	1	....	....	....	....	..	2	Single	Farmers' Sons.	....	..	1	1	....	....	....	....	....	....	..	..	..	..	..	..	..	..
		....	....	1	....	....	....	....	....	1	....	..	3	Total	Gardeners.	....	..	..	....	....	1	....	....	....	....	..	1	1	..	..	..	..	..
	....	....	....	1	....	....	....	....	....	1	....	..	2	Married		....	..	..	....	....	....	....	....	....	....	..	1	1	..	..	..	..	-
	1	....	....	....	....	....	....	....	....	....	....	..	1	Single		....	..	..	....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
		7	6	4	2	4	3	5	3	3	5	..	46	.....	Class II.	....	..	..	1	3	6	4	2	8	8	4	3	2	2	3	..	..	..
		....	....	....	....	....	....	....	1	....	....	..	2	Married	Brick-makers.	....	..	..	....	....	....	....	....	....	....	1	..	..	..	1	..	..	..
			5	2	2	2	....	4	1	2	4	..	28	Total	Carpenters.	....	..	..	....	1	2	1	1	5	8	3	3	1	1	2	..	..	..
			3	1	1	2	....	1	1	1	2	..	16	Married		....	..	..	....	....	....	....	1	3	4	3	3	1	..	..	..	..	..
			1	1	1	....	....	2	....	1	1	..	8	Single		....	..	-	....	1	1	1	....	2	2	..	..	..	..	1	..	..	..
			....	....	....	....	....	1	....	....	1	..	2	Widowed		....	..	..	....	....	....	....	....	....	1	..	..	..	..	1	..	..	..
1		....	1	....	....	....	....	....	....	....	....	..	2	Unknown		....	..	..	....	....	....	....	....	....	1	..	..	..	1	..	..	..	..
....	....	1	....	....	....	....	....	....	....	1	....	..	2	Total	Joiners.	....	..	..	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	1	....	..	1	Married		....	..	..	....	....	....	....	....	1	....	..	..	..	..	..	..	..	..
....	....	1	....	....	....	....	....	....	....	....	....	..	1	Single		....	..	..	....	1	....	....	....	....	....	..	..	..	..	..	..	..	..

						1	1						3	Total	Masons.							1						1	1				
						1	1						2	Married	Masons.							1						1					
													1	Widowed	Masons.														1				
		2	1	2		1	2	1	1		1		11	Total	Painters.				1	1	4	2	1	2									
			1	1			1		1		1		5	Married	Painters.						2		1	2									
		2		1		1	1						5	Single	Painters.				1	1	2	1											
								1					1	Widowed	Painters.							1											
3	4	3	5	3	6	4	4	5	4	11	6		58		CLASS III.			1	1	5	8	7	4	5	6	5	1	2	4	6	3		
		1									2		3	Single	Bakers.					2			1										
			2		1			1	1	2	1		8	Total	Blacksmiths.						2			2						3	1		
			2					1	1	1	1		6	Married	Blacksmiths.						1			2						2	1		
					1					1			2	Single	Blacksmiths.						1									1			
							1						1	Married	Boiler-makers.								1										
										1			1	Married	Brewers.									1									
							1						1	Married	Brush-makers.								1										
	1								1	1			3	Total	Cabinet-makers.					1	1									1			
	1								1				2	Single	Cabinet-makers.					1	1												
										1			1	Widowed	Cabinet-makers.															1			
										1			1	Single	Chair Factory.			1															
	1		1	1	1			3		2	2		11	Total	Coopers.						2		1	1	2	1	1			2	1		
	1		1	1				3		2	2		10	Married	Coopers.						1		1	1	2	1	1			2	1		
					1								1	Single	Coopers.						1												
1													1	Married	Engineers.							1											
			1					1					2	Total	Finishers.					1		1											
			1										1	Married	Finishers.					1													
								1					1	Single	Finishers.							1											

'9—1880.

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1880.*

Months, 1880.													Year, 1880.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1880.																	
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
....	1	....	....	....	....	....	1	....	....	1	....	..	3	Total	Machinists.	....	..	..	....	....	1	2	....	....	....	..	..	..	..	..	..	..	..
....	1	....	....	....	....	....	1	....	....	....	....	..	2	Married		....	..	..	....	....	....	2	....	....	....	..	..	..	..	..	..	..	..
	....	....	....	....	....	....	....	....	....	1	....	..	1	Single		....	..	..	....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
		....	....	....	....	....	....	....	1	....	....	..	1	Widowed	Marble-cutters.	....	..	..	....	....	....	....	....	....	....	1	..	..	..	..	..	..	..
		1	....	1	1	....	1	....	....	1	1	..	8	Total	Mechanics.	....	..	..	....	....	....	1	....	....	2	1	..	1	2	..	1	..	..
		....	....	1	1	....	1	....	....	....	1	..	6	Married		....	..	..	....	....	....	1	....	....	2	1	..	..	1	..	1	..	..
		1	....	....	....	....	....	....	....	1	....	..	2	Widowed		....	..	..	....	....	....	....	....	....	....	..	..	1	1	..	..	..	..
		1	....	....	1	....	....	....	....	....	....	..	3	Married	Millers.	....	..	..	....	....	....	....	....	1	....	..	..	1	1	..	..	..	..
		....	....	....	....	1	....	....	....	1	....	..	2	Total	Molders.	....	..	..	....	....	1	1	....	....	....	..	..	..	..	..	..	..	..
		....	....	....	....	1	....	....	....	....	....	..	1	Married		....	..	..	....	....	....	1	....	....	....	..	..	..	..	..	..	..	..
		....	....	....	....	....	....	....	....	1	....	..	1	Single		....	..	..	....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
			1	....	....	....	....	....	....	1	....	..	2	Total	Plumbers.	....	..	..	1	....	....	1	....	....	....	..	..	..	..	..	..	..	..
			1	....	....	....	....	....	....	....	....	..	1	Married		....	..	..	....	....	....	1	....	....	....	..	..	..	..	..	..	..	..
			....	....	....	....	....	....	....	1	....	..	1	Single		....	..	..	1	....	....	....	....	....	....	..	..	..	..	..	..	..	..
			....	....	1	....	....	....	....	....	....	..	1	Widowed	Stave makers.	....	..	..	....	....	....	....	....	....	....	1	..	..	..	..	..	..	..
				1	....	....	....	....	....	....	....	..	1	Married	Stone-cutters.	....	..	..	....	....	....	....	....	....	1	..	..	..	..	..	..	..	..
				....	....	2	....	....	....	....	....	..	2	Married	Tinners.	....	..	..	....	1	1	....	....	....	....	..	..	..	..	..	..	..	..
				....	1	....	....	....	....	....	....	..	1	Widowed	Wagon-makers.	....	..	..	....	....	....	....	....	....	1	..	..	..	..	..	..	..	..
				....	....	1	....	....	....	....	....	..	1	Married	Weavers.	....	..	..	....	....	....	....	....	....	....	..	..	..	1	..	..	..	..
					....	....	....	....	1	....	....	..	1	Single	Whitewashers.	....	..	..	....	....	....	....	....	....	....	1	..	..	..	..	..	..	..

				3	3	2	3	2	2	5	2	--	37	.....	CLASS IV.	----	--	--	2	5	2	7	4	----	2	--	3	1	4	2	3	1	1
				1	----	----	----	----	----	----	----	--	1	Married...	Barbers.	----	--	--	----	----	----	----	----	----	1	--	--	--	--	--	--	--	--
				1	1	----	----	----	1	1	----	--	6	Total.....	Cigar-makers.	----	--	--	1	2	----	1	----	----	----	--	1	--	--	--	--	--	1
				--	----	----	----	----	1	1	----	--	2	Married...		----	--	--	----	----	----	1	----	----	----	--	1	--	--	--	--	--	--
				1	1	----	----	----	----	----	----	--	4	Single.....		----	--	--	1	2	----	----	----	----	----	--	--	--	--	--	--	--	1
				--	----	----	----	----	----	----	----	--	1	Married...	Hair-dressers.	----	--	--	----	----	----	----	----	----	----	--	--	--	--	--	1	--	--
				----	1	----	----	1	----	1	----	--	4	Married...	Harness-makers	----	--	--	----	----	----	----	2	----	----	--	--	--	2	--	--	--	--
		4	----	----	1	----	----	----	----	----	----	--	2	Married...	Jewelers.	----	--	--	----	----	----	----	----	----	----	--	1	1	--	--	--	--	--
	----	----	----	----	----	----	----	----	----	----	----	--	1	Single.....	Lithographers.	----	--	--	----	----	1	----	----	----	----	--	--	--	--	--	--	--	--
----	1	----	----	----	----	----	2	----	----	1	----	--	4	Total.....	Printers.	----	--	--	1	1	1	1	----	----	----	--	--	--	--	--	--	--	--
----	----	----	----	----	----	----	1	----	----	1	----	--	2	Married...		----	--	--	----	----	1	1	----	----	----	--	--	--	--	--	--	--	--
----	1	----	----	----	----	----	1	----	----	----	----	--	2	Single.....		----	--	--	1	1	----	----	----	----	----	--	--	--	--	--	--	--	--
1	----	2	1	1	----	1	1	----	----	----	2	--	9	Total.....	Shoe-makers.	----	--	--	----	2	----	1	1	----	----	--	1	--	1	2	1	--	--
----	----	1	1	1	----	----	----	----	----	----	2	--	5	Married...		----	--	--	----	----	----	----	----	----	----	--	1	--	1	2	1	--	--
1	----	1	----	----	----	1	1	----	----	----	----	--	4	Single.....		----	--	--	----	2	----	1	1	----	----	--	--	--	--	--	--	--	--
----	----	----	1	----	----	----	----	----	----	----	----	--	1	Married...	Spinners.	----	--	--	----	----	----	----	----	----	----	--	--	--	1	--	--	--	--
----	----	2	----	----	----	1	----	1	1	2	----	--	7	Total.....	Tailors.	----	--	--	----	----	----	3	1	----	1	--	--	--	--	--	1	1	--
----	----	----	----	----	----	----	----	1	1	2	----	--	4	Married...		----	--	--	----	----	----	3	----	----	1	--	--	--	--	--	--	--	--
----	----	1	----	----	----	----	----	----	----	----	----	--	1	Single.....		----	--	--	----	----	----	----	1	----	----	--	--	--	--	--	--	--	--
----	----	1	----	----	----	1	----	----	----	----	----	--	2	Widowed.		----	--	--	----	----	----	----	----	----	----	--	--	--	--	--	1	1	--
----	1	----	----	----	----	----	----	----	----	----	----	--	1	Married...	Telegraph Operators.	----	--	--	----	----	----	1	----	----	----	--	--	--	--	--	--	--	--
7	5	12	13	12	9	11	5	10	11	10	13	--	118	.....	CLASS V.	----	--	--	10	20	11	7	8	13	6	9	13	10	2	2	2	3	2
----	----	----	----	----	1	----	----	----	----	----	----	--	1	Single.....	Hotel Waiters.	----	--	--	----	1	----	----	----	----	----	--	--	--	--	--	--	--	--
----	----	----	----	1	1	----	----	----	----	----	----	--	2	Total.....	Housekeepers.	----	--	--	1	----	----	----	----	----	----	--	--	--	--	1	--	--	--
----	----	----	----	1	----	----	----	----	----	----	----	--	1	Single.....		----	--	--	1	----	----	----	----	----	----	--	--	--	--	--	--	--	--
----	----	----	----	----	1	----	----	----	----	----	----	--	1	Widowed.		----	--	--	----	----	----	----	----	----	----	--	--	--	--	1	--	--	--
----	----	----	----	----	----	----	----	----	1	----	----	--	1	Single.....	Janitors.	----	--	--	----	----	----	----	----	----	----	--	--	1	--	--	--	--	--

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1880.*

Months, 1880.													Year, 1880.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1880.																	
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
16	18	23	19	26	20	26	22	24	24	30	25	1	274	Total	Class I. Cultivators of the Earth.	..	..	3	12	31	24	25	23	25	11	18	25	21	25	10	16	1	4
10	10	11	12	20	17	14	13	16	20	25	16	1	185	Married		....	..	..	....	8	10	15	19	21	10	18	22	20	20	8	11	..	3
3	7	8	7	5	3	12	6	7	2	5	7	..	72	Single		....	..	3	12	23	14	8	3	2	1	..	2	..	1	1	1	..	1
3	1	4	....	....	....	....	2	....	2	....	2	..	14	Widowed		....	..	..	....	....	....	2	....	1	....	..	..	1	4	1	4	1	..
....	....	....	....	1	....	....	1	1	....	....	....	..	3	Unknown		....	..	..	....	....	....	....	1	1	....	..	1	..	..	..	..	..	..
3	1	7	6	4	2	4	3	5	3	3	5	..	46	Total	Class II. Active Mechanics Abroad.	....	..	..	1	3	6	4	2	8	8	4	3	2	2	3	..	..	..
1	1	3	4	2	1	3	2	1	3	2	3	..	26	Married		....	..	..	....	....	3	1	2	6	4	4	3	2	..	1	..	..	..
....	....	4	1	2	1	1	1	2	....	1	1	..	14	Single		....	..	..	1	3	3	2	....	2	2	..	..	..	..	1	..	..	..
1	....	....	....	....	....	....	....	2	....	....	1	..	4	Widowed		....	..	..	....	....	....	1	....	....	1	..	..	..	1	1	..	..	..
1	....	....	1	....	....	....	....	....	....	....	....	..	2	Unknown		....	..	..	....	....	....	....	....	....	1	..	..	..	1	..	..	..	..
3	4	3	5	3	6	4	4	5	4	11	6	..	58	Total	Class III. Active Mechanics in Shops.	....	..	1	1	5	8	7	4	5	6	5	1	2	4	6	3	..	..
3	3	1	5	3	2	4	4	4	1	4	4	..	38	Married		....	..	..	....	2	3	6	3	5	5	2	1	1	3	4	3	..	..
....	1	1	....	....	2	....	....	1	2	5	2	..	14	Single		....	..	1	1	3	5	1	1	....	....	1	..	..	..	1	..	..	..
....	....	1	....	....	2	....	....	....	1	2	....	..	6	Widowed		....	..	..	....	....	....	....	....	....	1	2	..	1	1	1	..	..	..
3	3	7	2	3	3	2	3	2	2	5	2	..	37	Total	Class IV. Inactive Mechanics in Shops.	....	..	..	2	5	2	7	4	....	2	..	3	1	4	2	3	1	1
1	1	3	2	2	2	....	1	2	2	5	2	..	23	Married		....	..	..	....	....	1	6	2	....	2	..	3	1	4	2	2	..	..
2	2	3	....	1	1	1	2	....	....	....	....	..	12	Single		....	..	..	2	5	1	1	2	....	....	..	..	..	..	..	..	..	1
....	....	1	....	....	....	1	....	....	....	....	....	..	2	Widowed		....	..	..	....	....	....	....	....	....	....	..	..	..	..	..	1	1	..
7	5	12	13	12	9	11	5	10	11	10	13	..	118	Total	Class V. Laborers—No	....	..	..	10	20	11	7	8	13	6	9	13	10	2	2	2	3	2
2	3	7	9	7	2	6	1	7	3	8	5	..	60	Married		....	..	..	....	3	3	3	7	10	6	8	12	5	..	..	1	2	..
5	2	3	3	4	5	5	1	2	7	1	6	..	44	Single		....	..	..	10	16	6	4	1	2	....	..	..	2	..	1	..	..	2

		1											1	Widowed	Peddlers.									1										
						1							2	Married										1			1							
			1				1		1				3	Total	R. R. Employes.				1		1						1							
							1		1				2	Married							1						1							
			1										1	Single					1															
			1							1			2	Married	R. R. Men.								1										1
								1					1	Married	R. R. Section Bosses.						1													
		1			1		1		1		1		5	Total	Teamsters.				2	1	2													
		1			1				1				3	Married						1	2													
							1				1		2	Single					2															
1			2	1		1		1			1		7		Class VII.			1	1		1	1	1	1	1									
			1					1			1		3	Total	Fishermen.			1			1				1									
			1										1	Married											1									
								1			1		2	Single				1			1													
1			1	1		1							4	Total	Sailors.				1			1	1	1										
			1	1									2	Single					1					1										
1						1							2	Unknown								1	1											
															Class VIII.																			
5	4	4	5	5	4	5	8	4	1	8	8	1	62		Class IX.				12	8	8	13	3	4	3	2	4	4						1
								1				1	2	Married	Accountants.						1													1
		1											1	Single	Bee-keepers.				1															
2		1			1		2			1	3		10	Total	Book-keepers.				1	3	3	2					1							
		1								1	2		4	Married						1	1	1					1							
2					1		2				1		6	Single					1	2	2	1												
			1										1	Widowed	Cattle Dealers.										1									

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1880.*

Months, 1880.													Year, 1880.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1880.																	
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
1	1	....	....	2	2	2	3	....	....	4	3	..	18	Total	Clerks.	....	..	..	....	9	2	1	3	1	....	..	2	..	..	..	..	..	..
....	....	....	....	....	1	....	1	....	....	3	2	..	7	Married		....	..	..	....	....	1	1	2	1	....	..	2	..	..	..	..	..	..
1	1	....	....	2	1	2	1	....	....	1	1	..	10	Single		....	..	..	....	9	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	1	....	....	....	....	..	1	Widowed		....	..	..	....	....	....	....	1	....	....	..	..	..	..	..	..	..	..
....	....	1	....	....	....	....	....	....	....	....	....	..	1	Married	Contractors.	....	..	..	....	....	....	....	....	....	1	..	..	..	..	..	..	..	..
....	1	....	....	....	....	....	....	....	....	1	....	..	2	Total	Druggists.	....	..	..	....	....	....	....	1	....	1	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	1	....	..	1	Married		....	..	..	....	....	....	....	1	....	....	..	..	..	..	..	..	..	..
....	1	....	....	....	....	....	....	....	....	....	....	..	1	Widowed		....	..	..	....	....	....	....	....	....	1	..	..	..	..	..	..	..	..
....	....	....	1	....	....	....	....	....	....	....	....	..	1	Single	Expressmen.	....	..	..	....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	1	....	....	....	....	....	....	..	1	Married	Furniture Dealers.	....	..	..	....	....	....	1	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	1	....	....	1	1	..	3	Total	Grocers.	....	..	..	....	....	....	....	1	1	....	..	..	..	1	..	..	..	..
....	....	....	....	....	....	....	1	....	....	....	....	..	1	Married		....	..	..	....	....	....	....	1	....	....	..	..	..	..	..	..	..	..
..	....	....	....	....	....	....	....	....	....	1	....	..	1	Single		....	..	..	....	....	....	....	....	1	....	..	..	..	..	..	..	..	..
.	....	....	....	....	....	....	....	....	....	....	1	..	1	Widowed		....	..	..	....	....	....	....	....	....	....	..	..	..	1	..	..	..	..
.	....	....	....	1	....	....	....	1	....	....	....	..	2	Married	Hotel-keepers.	....	..	..	....	....	1	....	....	....	1	..	..	..	..	..	..	..	..
.	....	....	....	....	....	....	....	1	....	....	....	..	1	Married	Manufacturers.	....	..	..	....	....	....	....	....	....	....	..	..	1	..	..	..	..	..
..	1	....	....	....	....	....	2	....	....	1	1	..	5	Total	Merchants.	....	..	..	....	....	....	....	3	....	....	..	..	2	..	..	..	..	..
....	1	....	....	....	....	....	1	....	....	1	1	..	4	Married		....	..	..	....	....	....	....	2	....	....	..	..	2	..	..	..	..	..
....	....	....	....	....	....	....	1	....	....	....	....	..	1	Single		....	..	..	....	....	....	....	1	....	....	..	..	..	..	..	..	..	..
....	....	1	....	....	....	....	....	....	....	....	....	..	1	Married	Music Dealers.	....	..	..	....	....	....	....	....	....	....	..	..	..	1	..	..	..	..

1	Single	Real Estate Dealers.						1																							
1	Married	Registers of Deeds.																			1										
1	Married	Safe Store.						1																							
3	Total	Salesmen.					1														1			1							
2	Married																				1			1							
1	Single						1																								
5	Total	Saloon-keepers.											3	1			1														
4	Married												2	1			1														
1	Widowed												1																		
2	Total	Undertakers.						1																1							
1	Married																							1							
1	Single							1																							
21		CLASS X.			2	3	7	2	2	2	1							1	1												
2	Total	Artists.			1			1																							
1	Married							1																							
1	Single				1																										
1	Married	Attorneys.						1																							
2	Total	Dentists.					1			1																					
1	Married									1																					
1	Single						1																								
2	Total	Lawyers.							2																						
1	Married								1																						
1	Single								1																						
3	Married	Ministers.					2												1												
4	Total	Physicians.				1	1			1	1																				
3	Married					1				1	1																				
1	Single						1																								

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1880.*

Months, 1880.													Year, 1880.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1880.																		
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
....	1	....	....	....	....	....	1	....	....	1	....	..	3	Total	Machinists.	....	..	..	....	....	1	2	....	....	....	..	..	..	..	..	..	..	..
....	1	....	....	....	....	....	1	....	....	....	....	..	2	Married		....	..	..	....	....	....	2	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	1	....	..	1	Single		....	..	..	....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	1	....	....	..	1	Widowed	Marble-cutters.	....	..	..	....	....	....	....	....	....	....	1	..	..	..	..	..	..	..
1	1	1	....	1	1	....	1	....	....	1	1	..	8	Total	Mechanics.	....	..	..	....	....	....	1	....	....	2	1	..	1	2	..	1	..	..
1	1	....	....	1	1	....	1	....	....	....	1	..	6	Married		....	..	..	....	....	....	1	....	....	2	1	..	..	1	..	1	..	..
....	....	1	....	....	....	....	....	....	....	1	....	..	2	Widowed		....	..	..	....	....	....	....	....	....	....	..	..	1	1	..	..	..	..
1	....	1	....	....	1	....	....	....	....	....	....	..	3	Married	Millers.	....	..	..	....	....	....	....	....	1	....	..	..	1	1	..	..	..	..
....	....	....	....	....	....	1	....	....	....	1	....	..	2	Total	Molders.	....	..	..	....	....	1	1	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	1	....	....	....	....	....	..	1	Married		....	..	..	....	....	....	1	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	1	....	..	1	Single		....	..	..	....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	1	....	....	....	....	....	....	1	....	..	2	Total	Plumbers.	....	..	..	1	....	....	1	....	....	....	..	..	..	..	..	..	..	..
....	....	....	1	....	....	....	....	....	....	....	....	..	1	Married		....	..	..	....	....	....	1	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	1	....	..	1	Single		....	..	..	1	....	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	1	....	....	....	....	....	....	..	1	Widowed	Stave makers.	....	..	..	....	....	....	....	....	....	....	1	..	..	..	..	..	..	..
....	....	....	....	1	....	....	....	....	....	....	....	..	1	Married	Stone-cutters.	....	..	..	....	....	....	....	....	....	1	..	..	..	..	..	..	..	..
....	....	....	....	....	....	2	....	....	....	....	....	..	2	Married	Tinners.	....	..	..	....	1	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	1	....	....	....	....	....	....	..	1	Widowed	Wagon-makers.	....	..	..	....	....	....	....	....	....	1	..	..	..	..	..	..	..	..
....	....	....	....	....	....	1	....	....	....	....	....	..	1	Married	Weavers.	....	..	..	....	....	....	....	....	....	....	..	..	..	1	..	..	..	..
....	....	....	....	....	....	....	....	....	1	....	....	..	1	Single	Whitewashers.	....	..	..	....	....	....	....	....	....	....	1	..	..	..	..	..	..	..

3	3	7	2	3	3	2	3	2	2	5	2	..	37	.....	CLASS IV.	....	..	..	2	5	2	7	4	....	2	..	3	1	4	2	3	1	1
....	....	....	....	1	....	....	....	....	....	....	....	..	1	Married...	Barbers.	....	..	..	....	....	....	....	....	....	1	..	..	..	..	..	..	..	..
....	1	1	....	1	1	....	....	....	1	1	....	..	6	Total.....	Cigar-makers.	....	..	..	1	2	....	1	....	....	....	..	1	..	..	..	..	..	1
....	....	....	....	....	....	....	....	....	1	1	....	..	2	Married...		....	..	..	....	....	....	1	....	....	....	..	1	..	..	..	..	..	..
....	1	1	....	1	1	....	....	....	....	....	....	..	4	Single.....		....	..	..	1	2	....	....	....	....	....	..	..	..	..	..	..	..	1
1	....	....	....	....	....	....	....	....	....	....	....	..	1	Married...	Hair-dressers.	....	..	..	....	....	....	....	....	....	....	..	..	..	..	..	1	..	..
....	....	1	....	....	1	....	....	1	....	1	....	..	4	Married...	Harness-makers	....	..	..	....	....	....	....	2	....	....	..	..	..	2	..	..	..	..
....	....	1	....	....	1	....	....	....	....	....	....	..	2	Married...	Jewelers.	....	..	..	....	....	....	....	....	....	....	..	1	1	..	..	..	..	..
1	....	....	....	....	....	....	....	....	....	....	....	..	1	Single.....	Lithographers.	....	..	..	....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
....	1	....	....	....	....	....	2	....	....	1	....	..	4	Total.....	Printers.	....	..	..	1	1	1	1	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	1	....	....	1	....	..	2	Married...		....	..	..	....	....	1	1	....	....	....	..	..	..	..	..	..	..	..
....	1	....	....	....	....	....	1	....	....	....	....	..	2	Single.....		....	..	..	1	1	....	....	....	....	....	..	..	..	..	..	..	..	..
1	....	2	1	1	....	1	1	....	....	....	2	..	9	Total.....	Shoe-makers.	....	..	..	....	2	....	1	1	....	....	..	1	..	1	2	1	..	..
....	....	1	1	1	....	....	....	....	....	....	2	..	5	Married...		....	..	..	....	....	....	....	....	....	....	..	1	..	1	2	1	..	..
1	....	1	....	....	....	1	1	....	....	....	....	..	4	Single.....		....	..	..	....	2	....	1	1	....	....	..	..	..	..	..	..	..	..
....	....	....	1	....	....	....	....	....	....	....	....	..	1	Married...	Spinners.	....	..	..	....	....	....	....	....	....	....	..	..	..	1	..	..	..	..
....	....	2	....	....	....	1	....	1	1	2	....	..	7	Total.....	Tailors.	....	..	..	....	....	....	3	1	....	1	..	..	..	..	..	1	1	..
....	....	....	....	....	....	....	....	1	1	2	....	..	4	Married...		....	..	..	....	....	....	3	....	....	1	..	..	..	..	..	..	..	..
....	....	1	....	....	....	....	....	....	....	....	....	..	1	Single.....		....	..	..	....	....	....	....	1	....	....	..	..	..	..	..	..	..	..
....	....	1	....	....	....	1	....	....	....	....	....	..	2	Widowed.		....	..	..	....	....	....	....	....	....	....	..	..	..	..	..	1	1	..
....	1	....	....	....	....	....	....	....	....	....	....	..	1	Married...	Telegraph Operators.	....	..	..	....	....	....	1	....	....	....	..	..	..	..	..	..	..	..
7	5	12	13	12	9	11	5	10	11	10	13	..	118	.....	CLASS V.	....	..	..	10	20	11	7	8	13	6	9	13	10	2	2	2	3	2
....	....	....	....	....	1	....	....	....	....	....	....	..	1	Single.....	Hotel Waiters.	....	..	..	....	1	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	1	1	....	....	....	....	....	....	..	2	Total.....	Housekeepers.	....	..	..	1	....	....	....	....	....	....	..	..	..	..	1	..	..	..
....	....	....	....	1	....	....	....	....	....	....	....	..	1	Single.....		....	..	..	1	....	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	1	....	....	....	....	....	....	..	1	Widowed.		....	..	..	....	....	....	....	....	....	....	..	..	..	..	1	..	..	..
....	....	....	....	....	....	....	....	....	1	....	....	..	1	Single.....	Janitors.	....	..	..	....	....	....	....	....	....	....	..	..	1	..	..	..	..	..

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1880.*

Months, 1880.													Year, 1880.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1880.																	
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
			13	11	7	11	5	10	10	10	13	..	113	Total	Laborers.	..	..	..	9	18	11	7	8	13	6	9	13	9	2	1	2	3	2
			9	7	2	6	1	7	3	8	5	..	60	Married		..	..	..	..	3	3	3	7	10	6	8	12	5	..	..	1	2	..
			3	3	4	5	1	2	6	1	6	..	40	Single		..	..	..	9	14	6	4	1	2	..	..	..	1	..	1	..	..	2
				1	1	..	3	1	1	1	2	..	12	Widowed		..	..	..	..	..	2	..	..	1	..	1	1	3	2	..	1	1	..
			1	..	..	..	..	..	..	..	..	..	1	Unknown		..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
				..	..	..	..	..	..	..	..	..	1	Single	Mill-men.	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
			1	2	2	4	3	3	5	3	2	..	39		Class VI.	..	..	..	1	6	6	4	7	3	3	..	3	5	..	..	..	..	1
				..	..	..	..	..	..	..	..	..	1	Single	Agents.	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
					..	..	..	..	..	..	..	..	2	Single	Bar-tenders.	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..
						1	..	..	..	..	..	..	1	Single	Brakemen.	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
						..	..	..	1	..	1	..	4	Married	Butchers.	..	..	..	..	..	..	2	..	1	1	..	..	..	..	..	..	..	..
						..	..	1	..	..	..	..	1	Married	Claim Agents.	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
						..	1	..	..	..	..	..	1	Married	Farriers.	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
						..	..	..	..	..	..	..	1	Married	Hunters.	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
				..	1	..	..	..	..	2	..	..	4	Total	Lumbermen.	..	..	..	..	2	..	..	1	..	..	..	1	..	..	..	..	..	..
				..	1	..	..	..	..	..	..	..	2	Married		..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..
				..	..	..	..	..	..	2	..	..	2	Single		..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..
				..	..	2	..	1	2	..	..	..	11	Total	Miners.	..	..	..	..	3	1	1	1	1	1	..	1	2	..	..	..	..	..
			1	..	..	2	..	1	1	..	..	..	8	Married		..	..	..	..	1	1	1	1	..	1	..	1	2	..	..	..	..	..
		1		..	..	..	..	..	1	..	..	..	2	Single		..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..

--	1	--	--	--	--	--	--	--	--	--	--	1	Widowed		--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
1	--	--	--	--	--	1	--	--	--	--	--	2	Married	Peddlers.	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--	--	--	--	--
--	--	--	1	--	--	--	1	--	1	--	--	3	Total	R. R. Employes.	--	--	--	--	--	1	--	1	--	--	--	--	1	--	--	--	--	--	--	--
--	--	--	--	--	--	--	1	--	1	--	--	2	Married		--	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--
--	--	--	1	--	--	--	--	--	--	--	--	1	Single		--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	1	--	--	--	--	--	--	1	--	2	Married	R. R. Men.	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	1
--	--	--	--	--	--	--	--	1	--	--	--	1	Married	R. R. Section Bosses.	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
--	--	1	--	--	1	--	1	--	1	--	1	5	Total	Teamsters.	--	--	--	--	--	2	1	2	--	--	--	--	--	--	--	--	--	--	--	--
--	--	1	--	--	1	--	--	--	1	--	--	3	Married		--	--	--	--	--	--	1	2	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	1	--	--	--	1	2	Single		--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1	--	--	2	1	--	1	--	1	--	--	1	7	.....	CLASS VII.	--	--	--	1	1	--	1	1	1	1	1	--	--	--	--	--	--	--	--	--
--	--	--	1	--	--	--	--	1	--	--	1	3	Total	Fishermen.	--	--	--	1	--	--	1	--	--	--	1	--	--	--	--	--	--	--	--	--
--	--	--	1	--	--	--	--	--	--	--	--	1	Married		--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	1	--	--	1	2	Single		--	--	--	1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--
1	--	--	1	1	--	1	--	--	--	--	--	4	Total	Sailors.	--	--	--	--	1	--	--	1	1	1	--	--	--	--	--	--	--	--	--	--
--	--	--	1	1	--	--	--	--	--	--	--	2	Single		--	--	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
1	--	--	--	--	--	1	--	--	--	--	--	2	Unknown		--	--	--	--	--	--	--	1	1	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	.....	.....	CLASS VIII.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5	4	4	5	5	4	5	8	4	1	8	8	1	62	CLASS IX.	--	--	--	--	12	8	8	13	3	4	3	2	4	4	--	--	--	--	--	1
--	--	--	--	--	--	--	--	1	--	--	--	1	2	Married	Accountants.	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1
--	--	1	--	--	--	--	--	--	--	--	--	--	1	Single	Bee-keepers.	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2	--	1	--	--	1	--	2	--	--	1	3	--	10	Total	Book-keepers.	--	--	--	1	3	3	2	--	--	--	--	1	--	--	--	--	--	--	--
--	--	1	--	--	--	--	--	--	--	1	2	--	4	Married		--	--	--	--	--	1	1	1	--	--	--	1	--	--	--	--	--	--	--
2	--	--	--	--	1	--	2	--	--	--	1	--	6	Single		--	--	--	--	1	2	2	1	--	--	--	--	--	--	--	--	--	--	--
--	--	--	1	--	--	--	--	--	--	--	--	--	1	Widowed	Cattle Dealers.	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1880.*

Months, 1880.													Year. 1880.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1880.																	
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
1	1	....	....	2	2	2	3	....	....	4	3	..	18	Total	Clerks.	....	..	..	....	9	2	1	3	1	....	..	2	..	..	..	..	..	..
....	....	....	....	....	1	....	1	....	....	3	2	..	7	Married		....	..	..	....	....	1	1	2	1	....	..	2	..	..	..	..	..	..
1	1	....	....	2	1	2	1	....	....	1	1	..	10	Single		....	..	..	....	9	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	1	....	....	....	....	..	1	Widowed		....	..	..	....	....	....	....	1	....	....	..	..	..	..	..	..	..	..
....	....	1	....	....	....	....	....	....	....	....	....	..	1	Married	Contractors.	....	..	..	....	....	....	....	....	....	1	..	..	..	..	..	..	..	..
....	1	....	....	....	....	....	....	....	....	1	....	..	2	Total	Druggists.	....	..	..	....	....	....	....	1	....	1	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	1	....	..	1	Married		....	..	..	....	....	....	....	1	....	....	..	..	..	..	..	..	..	..
....	1	....	....	....	....	....	....	....	....	....	....	..	1	Widowed		....	..	..	....	....	....	....	....	....	1	..	..	..	..	..	..	..	..
....	....	....	1	....	....	....	....	....	....	....	....	..	1	Single	Expressmen.	....	..	..	....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	1	....	....	....	....	....	....	..	1	Married	Furniture Dealers.	....	..	..	....	....	....	1	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	1	....	....	1	1	..	3	Total	Grocers.	....	..	..	....	....	....	....	1	1	....	..	..	..	1	..	..	..	..
....	....	....	....	....	....	....	1	....	....	....	....	..	1	Married		....	..	..	....	....	....	....	1	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	1	....	..	1	Single		....	..	..	....	....	....	....	....	1	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	....	1	..	1	Widowed		....	..	..	....	....	....	....	....	....	....	..	..	..	1	..	..	..	..
....	....	....	....	1	....	....	....	1	....	....	....	..	2	Married	Hotel-keepers.	....	..	..	....	....	1	....	....	....	1	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	1	....	....	....	..	1	Married	Manufacturers.	....	..	..	....	....	....	....	....	....	....	..	..	1	..	..	..	..	..
....	1	....	....	....	....	....	2	....	....	1	1	..	5	Total	Merchants.	....	..	..	....	....	....	....	3	....	....	..	..	2	..	..	..	..	..
....	1	....	....	....	....	....	1	....	....	1	1	..	4	Married		....	..	..	....	....	....	....	2	....	....	..	..	2	..	..	..	..	..
....	....	....	....	....	....	....	1	....	....	....	....	..	1	Single		....	..	..	....	....	....	....	1	....	....	..	..	..	..	..	..	..	..
....	....	1	....	....	....	....	....	....	....	....	....	..	1	Married	Music Dealers.	....	..	..	....	....	....	....	....	....	....	..	..	..	1	..	..	..	..

								1				1	Single	Real Estate Dealers.							1												
									1			1	Married	Registers of Deeds.										1									
						1						1	Married	Safe Store.							1												
												3	Total	Salesmen.				1							1			1					
												2	Married												1			1					
												1	Single					1															
						1						5	Total	Saloon-keepers.							3	1		1									
						1						4	Married								2	1		1									
												1	Widowed								1												
			1			1						2	Total	Undertakers.					1								1						
						1						1	Married														1						
			1									1	Single						1														
2	4	1	3		1	3	2	1		3	1	21		CLASS X.				2	3	7	2	2	2	1						1	1		
			1							1		2	Total	Artists.				1			1												
			1									1	Married								1												
										1		1	Single					1															
						1						1	Married	Attorneys.							1												
	1							1				2	Total	Dentists.						1			1										
	1											1	Married										1										
								1				1	Single							1													
					1		1					2	Total	Lawyers.								2											
							1					1	Married									1											
					1							1	Single									1											
	2	1										3	Married	Ministers.						2											1		
			1				1			1	1	4	Total	Physicians.					1	1			1	1									
			1				1				1	3	Married						1				1	1									
										1		1	Single							1													

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1880.*

Months, 1880.													Year, 1880.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1880.																	
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
....	....	....	....	....	....	2	....	....	....	1	....	..	3	Single	Students.	....	..	..	1	2	....	....	....	....	....	..	..	..	..	..	..	..	..
2	1	....	1	....	....	....	....	....	....	....	....	..	4	Total	Teachers.	....	..	..	....	....	3	....	....	....	....	..	..	..	..	1	..	..	..
1	....	....	1	....	....	....	....	....	....	....	....	..	2	Married		....	..	..	....	....	1	....	....	....	....	..	..	..	..	1	..	..	..
1	1	....	....	....	....	....	....	....	....	....	....	..	2	Single		....	..	..	....	....	2	....	....	....	....	..	..	..	..	..	..	..	..
8	3	15	7	10	5	5	14	15	2	10	3	..	97	.....	Class XI.	65	7	10	5	1	1	1	....	....	1	1	..	2	1	..	1	..	1
....	....	....	....	1	....	....	....	....	....	....	....	..	1	Widowed	Retired.	....	..	..	....	....	....	....	....	....	....	..	..	1	..	..	..	..	..
....	1	....	....	....	....	....	....	....	....	....	....	..	1	Unknown	Tramps.	....	..	..	....	....	....	....	....	....	....	..	..	..	..	..	..	..	1
....	....	....	1	....	....	....	....	....	....	....	....	..	1	Married	Travelers.	....	..	..	....	....	....	1	....	....	....	..	..	..	..	..	..	..	..
8	2	15	6	9	5	5	14	15	2	10	3	..	94	Total	Unemployed.	65	7	10	5	1	1	....	....	....	1	1	..	1	1	..	1	..	..
....	....	1	1	....	....	....	1	1	....	1	....	..	5	Married		....	..	..	....	....	1	....	....	....	1	..	..	1	1	..	1	..	..
8	2	14	5	9	5	5	13	14	2	8	3	..	88	Single		65	7	10	5	1	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	1	....	..	1	Widowed		....	..	..	....	....	....	....	....	....	....	1	..	..	..	..	..	..	..
62	55	76	66	66	58	71	74	98	58	69	79	2	834	.....	Class XII. (Females.)	61	5	16	107	127	111	78	74	48	45	36	27	26	32	9	13	9	10
....	....	1	....	....	....	....	....	....	....	....	....	..	1	Married	Artists.	....	..	..	....	....	....	....	....	....	....	..	..	..	1	..	..	..	..
....	....	....	....	1	....	....	....	....	....	....	....	..	1	Single	At Home.	....	..	..	1	....	....	....	....	....	....	..	..	..	..	..	..	..	..
....	1	....	....	....	....	....	....	....	....	....	....	..	1	Married	Barkwork.	....	..	..	....	....	....	....	....	....	....	..	..	1	..	..	..	..	..
....	....	....	....	1	....	....	....	....	....	....	....	..	1	Widowed	Basket-makers.	....	..	..	....	1	....	....	....	....	....	..	..	..	..	..	..	..	..
3	1	....	1	....	....	....	1	5	1	5	1	..	18	Total	Domestics.	....	..	..	2	5	6	1	1	....	1	2	..	..	..	..	..	..	..
1	....	....	1	....	....	....	1	1	1	1	....	..	6	Married		....	..	..	....	1	1	1	1	....	....	2	..	..	..	..	..	..	..
2	....	....	....	....	....	....	....	4	....	3	....	..	9	Single		....	..	..	2	2	5	....	....	....	....	..	..	..	..	..	..	..	..
....	1	....	....	....	....	....	....	....	....	1	1	..	2	Widowed		....	..	..	....	2	....	....	....	....	1	..	..	..	..	..	..	..	..

		3	2		1		1	1		1	1	2		12	Total	Dress-makers.			1	1	5	3				1														
		1	1											2	Married						1	1																			
		2	1		1		1	1		1		2		9	Single				1	1	4	2		1																	
											1			1	Widowed											1															
1	2	2	2			1	2	2	2			1		15	Single	Farmers' Daughters.			3	7	3	1	1																		
	3		2	2	1		2		1	2	3			16	Married	Farmers' Wives.				1	1	2	4	1	1		1	1	1	2		1									
4	3	2	4	3		2	3	2		3	3			29	Total	Farmers.				3	5	2	4	6	1	2	1	2	1	1		1									
3	3	1	2	1			2	2		1	1			16	Married					1	1	1	4	5	1	1	1	1													
		1	2	1		2				1	1			8	Single					2	4	1		1																	
1				1			1			1	1			5	Widowed											1		1	1	1		1									
						1								1	Single	Gilders.					1																				
							1							1	Married	Hotel-keepers.									1																
9	10	15	15	11	13	14	15	21	15	13	22			173	Total	Housekeepers.				17	21	25	21	14	10	14	10	7	9	7	4	5	5	4							
4	8	6	11	5	7	9	11	13	9	11	14			108	Married					5	14	20	19	11	6	10	7	4	4	3	1	1		3							
2	1	4	2	3	3	3	2	5	1	1	5			32	Single					11	7	4	1	2	1	2		1	1			1	1								
3	1	5	2	3	3	2	2	3	5	1	3			33	Widowed					1		1	1	1	3	2	3	2	4	4	3	3	4	1							
21	13	32	22	27	23	29	28	24	15	20	22	1		277	Total	Housewives.				10	44	49	33	36	23	20	14	14	8	13	4	3	2	4							
18	12	28	20	26	23	26	20	22	14	18	22	1		250	Married					7	39	49	31	34	23	19	11	11	8	7	4	3	1	3							
		3	1	1		1		1						7	Single					2	3		1					1													
2	1	1				2	7	1	1	1				16	Widowed						2		1			1	3	2		6			1								
1			1				1			1				4	Unknown					1				2										1							
2	2	4	2	3	2	1	4	5	2	2	3			32	Total	Houseworkers.			3	14	7	2	1	2		1	1				1										
		1						1						2	Married							1				1															
2	2	3	2	2	2	1	4	3	2	2	2			27	Single				3	14	7	1	1	1																	
				1				1			1			3	Widowed									1			1				1										

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1880.*

Months, 1880.													Year, 1880.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1880.																	
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
1		1			2		1		1	1	1		8	Total	Laborers.				1		1			1	1	1		1	1			1	
					1				1		1		3	Married										1	1			1					
1					1					1			3	Single					1		1					1							
		1					1						2	Widowed															1			1	
1													1	Widowed	"Manager."																1		
											1		1	Widowed	Matrons.												1						
									1				1	Single	Mechanics' Daughters.				1														
1										1			2	Total	Merchants.					1				1									
										1			1	Married						1													
1													1	Single										1									
	1					1	2		1				5	Total	Millinors.				2	1		1					1						
							1						1	Married								1											
	1						1		1				3	Single					2	1													
						1							1	Widowed													1						
													1	Widowed	Notion Store.									1									
								1					1	Single	Organists.						1												
	1	1		1				3					8	Total	Seamstresses.					3	1			2		1			1				
2		1						3					6	Single						3	1			2									
	1			1									2	Widowed												1			1				
		1	1			1	2	2	2	2			11	Total	Servants.				3	2	1	1	2	1				1					
							2						2	Married									1					1					

		1	1	....	....	1	....	2	2	1	....	..	8	Single.....			....	..	..	3	2	1	1	....	1	....	..	..	..	..	..	..	..	..
		....	....	....	....	....	....	....	....	1	....	..	1	Widowed..			....	..	..	....	....	....	....	1	....	....	..	..	..	..	..	..	..	..
		1	....	....	....	1	2	2	....	....	2	..	8	Single	Students.		....	..	..	8	....	....	....	....	....	....	..	..	..	..	..	..	..	..
	1	1	....	....	....	....	....	1	....	....	2	..	5	Total.....			....	..	..	....	1	1	1	....	....	....	..	..	1	..	..	1	..	..
	1	....	....	....	....	....	....	....	....	....	1	..	2	Married...	Tailoresses.		....	..	..	....	....	1	1	....	....	....	..	..	..	..	..	..	..	..
	....	....	....	....	....	....	....	....	....	....	1	..	1	Single.....			....	..	..	....	1	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	1	....	....	....	....	1	....	....	....	..	2	Widowed.			....	..	..	....	....	....	....	....	....	....	..	..	1	..	..	1	..	..
....	1	2	....	2	1	4	2	2	4	....	4	..	22	Total.....			....	..	..	4	10	2	1	1	2	1	..	..	..	1	..	..	..	..
....	....	1	....	....	....	2	....	1	....	....	....	..	4	Married...	Teachers.		....	..	..	....	1	....	....	1	....	1	..	..	..	1	..	..	..	..
....	1	1	....	2	1	2	2	1	4	....	4	..	18	Single.....			....	..	..	4	9	2	1	....	2	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	....	....	1	1	Single.....	Telegraph Opera'rs		....	..	..	1	....	....	....	....	....	....	..	..	..	..	..	..	..	..
16	14	10	15	14	14	15	8	28	10	19	11	..	174	Total.....			61	5	9	29	14	12	9	10	4	4	4	1	3	5	..	1	1	2
2	4	....	....	3	2	3	2	2	....	2	1	..	21	Married...	Unemployed.		....	..	..	....	1	3	4	3	3	3	..	..	..	3	..	..	1	..
13	9	8	15	8	12	11	6	26	9	13	10	..	140	Single.....			61	5	9	29	13	7	5	7	....	1	2	..	1	..	..	..	..	..
1	1	2	....	3	....	1	....	....	1	4	....	..	13	Widowed..			....	..	..	....	....	2	....	....	1	....	2	1	2	2	..	1	..	2
....	....	1	....	....	....	....	....	....	....	....	....	..	1	Single.....	Washer-women.		....	..	..	....	1	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	1	....	2	....	....	....	2	....	1	..	6	Married...	Wives.		....	..	..	2	1	2	....	....	....	....	1	..	..	..	..	..	..	..

EXHIBIT Q.—*The Average Age of the Inhabitants of Michigan, of both Sexes, of each Sex, and the difference between the Sexes, for All Living June 1, 1870, and All Returned as having Died during the Year ending June 1, 1870, as Compiled from the U. S. Census of that date; for All Returned as having Died from Consumption during the Years 1870 to 1880, inclusive, for all returned as having died from All Causes during the years 1870 to 1880, inclusive; as shown by the Registration Returns; for All Living Aged 20 and Over as per Census June 1, 1870; for All Aged 20 and Over whose Ages and Occupations were stated in the Registration Returns of Deaths for the Years 1870 to 1880, inclusive, and for the Native and Foreign-born Inhabitants Returned as having Died during the Years 1873 to 1880, inclusive.*

	Year Ending:	Average Age in Years and Hundredths of a Year.			
		Total.	Males.	Females.	Excess, Males.
Deaths, as per Census	June 1, 1870.	24.79	25.17	24.39	.78
Living, as per Census	June 1, 1870.	24.32	24.91	23.68	1.23
All Living aged 20 and over, per Census	June 1, 1870.	38.23	38.61	37.80	.81
Deaths, as shown by Registration Returns	Dec. 31, 1870.	23.50	24.05	22.89	1.16
Deaths from Consumption, by Registration Returns	Dec. 31, 1870.	34.95	36.89	33.14	3.75
All aged 20 and over whose occupations were stated in Registration Returns of Deaths	Dec. 31, 1870.	51.01	52.45	45.96	6.49
"Average years of life" after the age of 20 years, as shown by Table VII., page 197, Report for 1872, plus 20 years,—indicating the "Average Age at Death" of all who died aged 20 years and over according to that Life Table	Dec. 31, 1870.	.....	63.72	62.02	1.70
Deaths, as shown by Registration Returns	Dec. 31, 1871.	25.63	26.78	24.50	2.28
All aged 20 and over whose occupations were stated in Registration Returns of Deaths	Dec. 31, 1871.	51.44	52.79	46.45	6.34
Deaths, as shown by Registration Returns	Dec. 31, 1872.	24.17	25.09	23.17	1.92
Deaths from Consumption, by Registration Returns	Dec. 31, 1872.	35.05	39.10	31.19	7.91
All aged 20 and over whose occupations were stated in Registration Returns of Deaths	Dec. 31, 1872.	50.73	51.90	47.08	4.82
All who died aged 20 years and over, as shown by Registration Returns	Dec. 31, 1872.	49.72	51.67	47.42	4.25
Deaths, as shown by Registration Returns	Dec. 31, 1873.	31.20	31.95	30.14	1.81
Deaths of Native-born Inhabitants, as shown by Registration Returns	Dec. 31, 1873.	27.25	27.76	26.71	1.05
Deaths of Foreign-born Inhabitants, as shown by Registration Returns	Dec. 31, 1873.	43.87	40.68	42.35	-1.67
Deaths from Consumption, by Registration Returns	Dec. 31, 1873.	37.81	40.20	35.77	4.43
All aged 20 and over whose occupations were stated in Registration Returns of Deaths	Dec. 31, 1873.	50.17	56.51	48.27	8.24
All who died aged 20 years and over, as shown by Registration Returns	Dec. 31, 1873.	49.87	51.48	47.66	3.82
Deaths, as shown by Registration Returns	Dec. 31, 1874.	25.33	25.78	24.09	.83
Deaths of Native-born Inhabitants, as shown by Registration Returns	Dec. 31, 1874.	20.26	23.99	20.25	3.74
Deaths of Foreign-born Inhabitants, as shown by Registration Returns	Dec. 31, 1874.	47.15	47.99	46.13	1.86
Deaths from Consumption, by Registration Returns	Dec. 31, 1874.	36.48	39.90	33.44	6.46
All aged 20 and over whose occupations were stated in Registration Returns of Deaths	Dec. 31, 1874.	50.77	52.70	48.23	4.47
All who died aged 20 years and over, as shown by Registration Returns	Dec. 31, 1874.	50.89	52.84	48.72	4.12
Deaths, as shown by Registration Returns	[illegible]	25.32	26.31	24.36	1.95
Deaths of Native-born Inhabitants, as shown by Registration Returns	[illegible]	20.17	20.72	19.88	[illegible]
Deaths of Foreign-born Inhabitants, as shown by Registration Returns	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Deaths from Consumption, by Registration Returns	[illegible]	35.77	[illegible]	[illegible]	[illegible]
All aged 20 and over, whose Occupations were stated in Registration Returns of Deaths	[illegible]	[illegible]	53.29	[illegible]	[illegible]
All who died aged 20 years and over, as shown by Registration Returns	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Deaths of Native-born Inhabitants aged 20 [illegible] over, as shown by Registration Returns	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Deaths of Foreign-born Inhabitants aged 20 [illegible] over, as shown by Registration Returns	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

EXHIBIT Q.—CONTINUED.

	Year Ending:	Average Age in Years and Hundredths of a Year.			
		Total.	Males.	Females.	Excess, Males.
Deaths, as shown by Registration Returns	Dec. 31, 1876.	25.83	26.79	25.04	1.75
Deaths of Native-born Inhabitants, as shown by Registration Returns		20.86	21.34	20.60	.74
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		47.33	48.91	46.68	2.23
Deaths from Consumption, by Registration Returns		35.70	40.20	33.40	6.80
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		51.93	54.00	49.89	4.11
All who died aged 20 years and over, as shown by Registration Returns		51.94	53.91	49.83	4.08
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns		51.09	54.46	48.92	5.54
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns		52.25	53.70	51.96	1.74
Deaths, as shown by Registration Returns	Dec. 31, 1877.	25.89	26.44	25.44	1.00
Deaths of Native-born Inhabitants, as shown by Registration Returns		20.30	20.22	20.57	-.35
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		49.31	50.31	48.00	2.31
Deaths from Consumption, by Registration Returns		36.34	39.42	33.94	5.48
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		51.71	53.89	49.55	4.34
All who died aged 20 years and over, as shown by Registration Returns		51.88	54.03	49.65	4.38
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns		51.25	54.13	48.43	5.70
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns		53.01	53.95	51.78	2.17
Deaths as shown by Registration Returns	Dec. 31, 1878.	26.41	26.99	25.99	1.00
Deaths of Native-born Inhabitants, as shown by Registration Returns		20.74	21.20	21.10	.10
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		49.75	50.96	48.85	2.11
Deaths from Consumption, by Registration Returns		36.67	40.95	33.25	7.70
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		52.45	54.21	50.41	3.80
All who died aged 20 years and over, as shown by Registration Returns		52.40	54.17	50.57	3.60
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns		51.01	54.20	49.57	4.63
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns		53.84	54.88	53.15	1.73
Deaths as shown by Registration Returns	Dec. 31, 1879.	25.76	26.31	25.28	1.03
Deaths of Native-born Inhabitants, as shown by Registration Returns		20.07	19.94	20.32	-.38
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		49.55	49.21	47.17	2.04
Deaths from Consumption, by Registration Returns		35.99	39.30	33.12	6.18
All Aged 20 and over whose occupations were stated in Registration Returns of Deaths		52.29	54.73	49.42	5.31
All who died aged 20 years and over, as shown by Registration Returns		52.46	54.67	50.05	4.62
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns		51.24	54.19	48.43	5.76
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns		54.23	52.76	52.86	-.10
Deaths, as shown by Registration Returns	Dec. 31, 1880.	25.45	26.06	24.88	1.18
Deaths of Native-born Inhabitants, as shown by Registration Returns		19.74	19.73	19.89	—.16
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		47.72	48.93	45.04	3.89
Deaths from Consumption, by Registration Returns		35.16	38.09	32.67	5.42
All aged 20 and over whose Occupations were stated in Registration Returns of Deaths		52.40	53.59	50.50	3.09
All who died aged 20 years and over, as shown by Registration Returns		52.50	54.23	50.52	3.71
Deaths of Native-born Inhabitants, aged 20 years and over, as shown by Registration Returns		51.54	53.84	49.20	4.64
Deaths of Foreign-born Inhabitants, aged 20 years and over, as shown by Registration Returns		54.13	55.05	51.60	3.45

TABLE XXIX.—*Exhibiting, for Decedents Aged 20 Years and Over, in 1880, by Classified Occupations, the Number and the Aggregate and Average Ages of All returned, of All whose Occupations and Ages were returned, and of All whose Occupations were not Specified, One-half of a Year added to Age of each Person in place of Months and Days excluded.*

Class.	Occupations,—1880.	Number of Persons.	Age in Years and 100ths.	
			Aggregate.	Average.
	All Aged 20 Years and Over	7,705	402,885.50	52.29
	All Specified Occupations,—Aged 20 Years and Over	6,982	365,827.50	52.40
	Occupations Unspecified,—Aged 20 Years and Over	723	37,058.00	51.26
I.	Cultivators of the Earth	1,707	101,162.00	59.26
II.	Active Mechanics Abroad	180	9,555.00	53.08
III.	Active Mechanics in Shops	234	12,265.50	52.42
IV.	Inactive Mechanics in Shops	108	5,799.00	53.69
V.	Laborers,—No Special Trades	592	27,114.00	45.80
VI.	Agents, Laborers Abroad, Etc.	144	6,317.50	43.87
VII.	Seafaring Men	47	1,932.50	41.12
VIII.	Soldiers	1	76.50	76.50
IX.	Business Men	258	12,296.50	47.66
X.	Professional Men	94	4,790.00	50.96
XI.	Unemployed	383	21,213.50	55.39
XII.	Females	3,234	163,305.50	50.50
I.	Cultivators of the Earth	1,707	101,162.00	59.26
	Farmers	1,684	99,840.00	59.79
	Farm Laborers	3	77.00	26.33
	Farmers' Sons	2	53.00	26.50
	Fruit-growers	2	88.00	44.00
	Gardeners	12	778.00	64.83
	Retired Farmers	4	326.00	81.50
II.	Active Mechanics Abroad	180	9,555.00	53.08
	Carpenters	118	6,446.00	54.63
	Carpenters and Joiners	3	143.00	47.67
	Joiners	5	277.00	55.40
	Kalsominers	1	74.50	74.50
	Masons	29	1,688.00	58.21
	Painters	23	872.00	37.91
	Varnishers	1	54.50	54.50
III.	Active Mechanics in Shops	234	12,265.50	52.42
	Bakers	8	363.00	45.38

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1880.*

CLASS.	OCCUPATIONS,—1880.	Number of Persons.	AGE IN YEARS AND 100ths.	
			Aggregate.	Average.
III.	ACTIVE MECHANICS IN SHOPS—(Continued.)			
	Basket-makers	2	105.00	52.50
	Blacksmiths	37	2,121.00	57.32
	Boiler-makers	2	97.00	48.50
	Brewers	5	226.00	45.20
	Brick-makers	4	246.00	61.50
	Brush-makers	1	35.50	35.50
	Cabinet-makers	11	504.00	45.82
	Car Repairers	1	21.50	21.50
	Carriage-makers	4	204.00	51.00
	Carriage Trimmers	2	127.00	63.50
	Chair-makers	3	186.00	62.00
	Cooks	1	38.50	38.50
	Coopers	30	1,706.00	56.87
	Coppersmiths	2	133.00	66.50
	Dyers	2	124.00	62.00
	Engineers	20	865.00	43.25
	Filers	1	37.50	37.50
	Finishers	2	56.00	28.00
	Gunsmiths	3	179.00	59.67
	Heaters	1	44.50	44.50
	Hemp-makers	1	63.50	63.50
	Machinists	13	583.00	44.85
	Marble-cutters	1	51.50	51.50
	Mechanics	25	1,356.00	54.24
	Millers	16	942.00	58.88
	Millwrights	5	285.00	57.00
	Molders	8	320.00	40.00
	Plumbers	2	99.00	49.50
	Pump-makers	1	24.50	24.50
	Saw-makers	1	60.50	60.50
	Sawyers	4	153.00	38.25
	Stone-cutters	4	246.00	61.50
	Stave-makers	1	54.50	54.50
	Tanners	1	69.50	69.50
	Turners	1	48.50	48.50
	Wagon makers	4	227.00	56.75
	Weavers	3	212.00	70.67
	Whitewashers	1	50.50	50.50

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1880.*

CLASS.	OCCUPATIONS,—1880.	Number of Persons.	AGE IN YEARS AND 100ths.	
			Aggregate.	Average.
IV.	INACTIVE MECHANICS IN SHOPS	108	5,799.00	53.69
	Barbers	7	307.00	43.86
	Cigar-makers	10	385.00	38.50
	Cutters	1	54.50	54.50
	Goldsmiths	1	83.50	83.50
	Hair-dressers	1	75.50	75.50
	Harness-makers	6	349.00	58.17
	Jewelers	3	175.00	58.33
	Lithographers	2	49.00	24.50
	Printers	6	168.00	28.00
	Saddlers	1	32.50	32.50
	Shoe-makers	40	2,560.00	64.00
	Tailors	28	1,506.00	53.79
	Telegraph Operators	2	54.00	27.00
V.	LABORERS—NO SPECIAL TRADES	592	27,114.00	45.80
	Colliers	1	52.50	52.50
	Hotel Waiters	1	20.50	20.50
	Housekeepers	3	226.00	75.33
	Janitors	1	61.50	61.50
	Laborers	489	22,949.00	46.93
	Lime Burners	1	86.50	86.50
	Log-drivers	1	23.50	23.50
	Millmen	1	22.50	22.50
	Miners	80	3,068.00	38.35
	Packers	1	58.50	58.50
	Porters	2	110.00	55.00
	Servants	1	41.50	41.50
	Shingle Packers	1	23.50	23.50
	Street Sprinklers	1	74.50	74.50
	Waiters	1	27.50	27.50
	Well-diggers	4	177.00	44.25
	Well-drivers	1	26.50	26.50
	Woodsmen	2	65.00	32.50
VI.	AGENTS, LABORERS ABROAD, ETC.	144	6,317.50	43.87
	Agents	3	105.00	35.00
	Baggage-masters	3	100.00	33.33
	Bar-tenders	2	54.00	27.00

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1880.*

CLASS.	OCCUPATIONS,—1880.	Number of Persons.	AGE IN YEARS AND 100ths. Aggregate.	Average.
VI.	AGENTS, LABORERS ABROAD, ETC.—(Continued.)			
	Brakemen	8	236.00	29.50
	Butchers	18	[illegible]4.00	46.89
	Carriers	1	[illegible]1.50	71.50
	Claim Agents	1	[illegible]4.50	64.50
	Draymen	4	214.00	53.50
	Drovers	3	140.00	46.67
	Farriers	1	57.50	57.50
	Foremen	3	120.00	40.00
	Hunters	1	25.50	25.50
	Keepers of Life-saving Stations	1	35.50	35.50
	Livery-stable keepers	5	229.00	45.80
	Lumbermen	24	1,163.00	48.46
	Mail-carriers	1	47.50	47.50
	Peddlers	10	505.00	50.50
	Policemen	2	86.00	43.00
	Railroaders	12	451.00	37.58
	R. R. Carpenters	1	40.50	40.50
	R. R. Conductors	2	75.00	37.50
	R. R. Employes	5	249.00	49.80
	R. R. Engineers	2	72.00	36.00
	R. R. Section Boss	2	94.00	47.00
	Sheriffs	2	71.00	35.50
	Switchmen	2	67.00	33.50
	Teamsters	17	781.00	45.94
	Tinners	6	184.00	30.67
	Trappers	1	62.50	62.50
	Watchmen	1	72.50	72.50
VII.	SEAFARING MEN	47	1,932.50	41.12
	Captains of Tug Boats	1	47.50	47.50
	Fishermen	12	446.00	37.17
	Sailors	34	1,439.00	42.32
VIII.	SOLDIERS	1	76.50	76.50
	Soldiers	1	76.50	76.50
IX.	BUSINESS MEN	258	12,296.50	47.66
	Accountants	3	117.00	39.00
	Bankers	7	423.00	60.43

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1880.*

CLASS.	OCCUPATIONS,—1880.	Number of Persons.	AGE IN YEARS AND 100ths.	
			Aggregate	Average.
IX.	BUSINESS MEN—(Continued.)			
	Bee-keepers	1	21.50	21.50
	Book-keepers	20	799.00	39.95
	Brass Foundry	1	22.50	22.50
	Builders	1	72.50	72.50
	Capitalists	2	124.00	62.00
	Cattle Dealers	1	52.50	52.50
	Clerks	44	1,571.00	35.70
	Clothiers	1	81.50	81.50
	Contractors	2	79.00	39.50
	Druggists	11	606.00	55.09
	Expressmen	1	29.50	29.50
	Furniture Dealers	2	95.00	47.50
	Grocers	16	906.00	56 75
	Hatters	2	112.00	56.00
	Hotel Clerks	1	37.50	37.50
	Hotel-keepers	12	534.00	44.50
	Ice Dealers	1	62.50	62.50
	Insurance Agents	4	217.00	54.25
	Justices of the Peace	2	121.00	60.50
	Liquor Dealers	1	40.50	40.50
	Lumber Inspectors	2	77.00	38.50
	Manufacturers	5	266.00	53.20
	Marble Dealers	1	47.50	47.50
	Merchants	51	2,709.00	53.12
	Mill-owners	3	146.00	48.67
	Music Dealers	1	67.50	67.50
	News Dealers	1	28.50	28.50
	Nurserymen	1	58.50	58.50
	Postmasters	1	63.50	63.50
	Real Estate Dealers	5	272 00	54.40
	Registers	2	127.00	63.50
	Safe Store	1	31.50	31.50
	Salesmen	6	274.00	45.67
	Saloon-keepers	27	1,208.00	44.74
	Salt Inspectors	1	49.50	49.50
	Sewing-machine Agents	1	39.50	39.50

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1880.*

CLASS.	OCCUPATIONS,—1880.	Number of Persons.	AGE IN YEARS AND 10ths. Aggregate.	Average.
IX.	BUSINESS MEN—(Continued.)			
	Shingle-makers	1	50.50	50.50
	Speculators	4	217.00	54.22
	Supt. of Iron Works	1	62.50	62.50
	Supt. of Saw-mill	1	46.50	46.50
	Tradesmen	1	65.50	65.50
	Undertakers	3	148.00	49.33
	U. S. Marshals	1	68.50	68.50
	Wheat-buyers	1	46.50	46.50
X.	PROFESSIONAL MEN	94	4,790.00	50.96
	Artists	2	65.00	32.50
	Dentists	5	242.00	48.60
	Draughtsmen	1	87.50	87.50
	Lawyers	14	747.00	53.36
	Ministers	17	1,075.00	63.24
	Occulists	1	57.50	57.50
	Physicians	25	1,232.00	49.28
	Priests	2	103.00	51.50
	Professors	1	64.50	64.50
	Reporters	1	43.50	43.50
	Students	6	132 00	22.00
	Teachers	17	801.00	47.12
	Veterinary Surgeons	2	139.00	69.50
XI.	UNEMPLOYED	383	21,213.50	55.39
	Paupers	2	86.00	43.00
	Pensioners of 1812	2	194.00	97.00
	Retired	3	199.00	66.33
	Travelers	2	103.00	51.50
	U. B. A. Home	1	60.50	60.50
	Unemployed	104	6,752.00	64.92
	Unknown	269	13,819.00	51.37
XII.	FEMALES	3,234	163,305.50	50.50
	Artists	1	67.50	67.50
	At Home	2	51.00	25.50
	Barbers	1	72.50	72.50
	Basket-makers	3	157.00	52.33

TABLE XXIX.—CONTINUED.—*Occupation of Decedents in 1880.*

CLASS.	OCCUPATIONS,—1880.	Number of Persons.	AGE IN YEARS AND 100ths.	
			Aggregate.	Average.
XII.	FEMALES—(Continued.)			
	Blacksmiths' wives	2	150.00	75.00
	Boarders	2	169.00	84.50
	Boarding House	1	79.50	79.50
	Brewers	1	70.50	70.50
	Carpenters' wives	1	31.50	31.50
	"Checker"	1	51.50	51.50
	Clerks	2	59.00	29.50
	Cooks	1	35.50	35.50
	Domestics	49	1,968.00	40.16
	Dress-makers	20	652.00	32.60
	Farmers	162	8,572.00	52.91
	Farmers' Wives	106	5,474.00	51.64
	Farmers' Daughters	9	212.00	23.56
	Gilders	1	22.50	22.50
	Hair-dressers	1	23.50	23.50
	Hotel-keepers	3	124.00	41.33
	Housekeepers	768	41,209.00	53.66
	Housewives	1,115	53,047.00	47.58
	House-workers	65	3,424.00	52.68
	Invalids	1	60.50	60.50
	Jobbers	1	58.50	58.50
	Laborers	15	816.00	54.40
	Laborers' Wives	7	222.00	31.71
	Ladies	1	39.50	39.50
	Landladies	1	30.50	30.50
	Lithographers	1	30.50	30.50
	"Managers"	1	79.50	79.50
	Manufacturers	1	20.50	20.50
	Manufacturers of Shell-work	1	40.50	40.50
	Masons' wives	1	31.50	31.50
	Matrons	12	661.00	55.08
	Mechanics' wives	2	89.00	44.50
	Merchants	2	63.00	31.50
	Merchants' Wives	1	38.50	38.50
	Midwives	2	166.00	83.00
	Millers	1	66.50	66.50

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1880.*

CLASS.	OCCUPATIONS,—1880.	Number of Persons.	AGE IN YEARS AND 100THS.	
			Aggregate.	Average.
XII.	FEMALES—(Continued.)			
	Milliners	9	386.00	42.89
	Millwrights' Wives	1	67.50	67.50
	Miners	3	124.00	41.33
	Miners' Wives	1	57.50	57.50
	Ministers' Wives	1	26.50	26.50
	Mothers	2	114.00	57.00
	Notion Store	1	41.50	41.50
	Nurses	4	261.00	65.25
	Organists	1	25.50	25.50
	Paupers	1	60.50	60.50
	Physicians	2	112.00	56.00
	Physicians' Wives	1	51.50	51.50
	Prostitutes	1	22.50	22.50
	Retired	3	225.00	75.00
	Retired Farmers	2	142.00	71.00
	Saloon-keepers	2	109.00	54.50
	Seamstresses	15	622.00	41.47
	Servants	21	765.00	36.43
	Shoe-makers	1	41.50	41.50
	Spinners	1	83.50	83.50
	Students	1	22.50	22.50
	Tailoresses	10	612.00	61.20
	Teachers	32	1,041.00	32.53
	Unemployed	265	15,006.00	56.63
	Unknown	454	23,239.00	51.19
	Vagrants	1	43.50	43.50
	Washers	1	22.50	22.50
	Weavers	8	630.00	78.75
	Wives	21	1,115.00	53.10

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